PTO/5BI	8A (Modified))				
Substitute for	f forta 1449A/PTO			Compl	lete if Known	
00/80 701	1 forms 449A/PTO			Application Number	09/110,694	
MINEC	MATION	l DIS	SCLOSURE	Filing Date	7/7/1998	
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Mills	
l				Group Art Unit	1745	
(use	e as many she	ets a	is necessary)	Examiner Name	Kalafut	
Sheet	1	of	498	Attorney Docket Number	·	

			U.	S. PATENT DOCUM	ENTS	
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
		Number	Kind Code ^w (if known)		MM-DD-YYYY	Passages or Relevant Figures Appear
/SK/		1,001,589		Hatfield	08-23-1911	
		2,708,656		Fermi	05-17-1955	
		3,297,484		Niedrach	01-10-1967	
		3,300,345		Lyons	01-24-1967	
		3,359,422		Pollock	12-19-1967	
		3,377,265		Caeser	04-09-1968	
		3,448,035		Serfass	06-03-1969	
		3,462,622		Cann et al.	08-1969	
		3,669,745		Beccu	06-13-1972	
		3,701,632		Lovelock	10-31-1972	·
		3,755,128		Herwig	08-28-1973	
		3,816,192		Brower	06-11-1974	
		3,835,019		Lovelock	09-10-1974	
		3,917,520		Katz	11-04-1975	
		4,000,036		Ensley	12-1976	
		4,095,118		Rathbun	06-1978	
		4,149,931		Christensen	04-1979	
V		4,202,004		Anderson	05-1980	
/SK/		4,265,720		Winstel	05-05-1981	

- 1					
	Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or form 1449A/	/PTO			Complete if Known			
					Application Number	09/110,694		
INF	ORMAT	ION	DIS	CLOSURE	Filing Date	7/7/1998		
STA	STATEMENT BY APPLICANT				First Named Inventor	Mills		
					Group Art Unit .	1745		
(us	(use as many sheets as necessary)			s necessary)	Examiner Name	Kalafut		
Sheet	2		of	498	Attorney Docket Number			

		1		S. PATENT DOCUM		
Examiner nitials*	Cite No. 1	U.S. Patent Document Kind Code ^w Number (if known)		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/SK/		4,274,938		Schulten .	06-23-1981	
		4,337,126		Gilligan, III et al.	06-29-1982	
		4,464,990		Bendler	08-14-1984	
		4,487,670		Bellanger	12-11-1984	
	<u> </u>	4,488,490		Betts	12-18-1984	
	<u> </u>	4,512,966		Nelson	04-23-1985	
		4,568,568		Asano	02-04-1986	
		4,664,904	.]	Wolfrum	05-12-1987	
		4,694,755		Ibarra	10-22-1987	
		4,737,249		Shepard Jr.	04-12-1988	
		4,774,065		Penzorn	09-27-1988	
		4,792,725		Levy et al.	12-1988	
	<u> </u>	4,923,770		Grasselli	05-08-1990	
	ļ	4,968,395		Pavelle	11-06-1990	
		4,986,887		Gupta	01-22-1991	
		5,215,729		Buxbaum	06-01-1993	
<u> </u>		5,273,635		Gernert	12-28-1993	
<u> </u>	·	5,318,675		Patterson	06-07-1994	
/SK/	1	5,372,688		Patterson	12-13-1994	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007
J.g. attire		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or form 1449A/I	PTO			Complete if Known			
					Application Number	09/110,694		
INF	ORMAT	ION	DIS	CLOSURE	Filing Date	7/7/1998		
STA	STATEMENT BY APPLICANT				First Named Inventor	Mills		
					Group Art Unit	1745		
(us	(use as many sheets as necessary)			necessary)	Examiner Name	Kalafut		
Sheet	3		of	#98	Attorney Docket Number			

	Γ	<u> </u>		S. PATENT DOCUM	T T	· · · · · · · · · · · · · · · · · · ·
Examiner Initials*	Cite No. 1	U.S. Patent Document Kind Code ^w Number (if known)		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/SK/		5,449,434		Hooke et al.	09-1995	
		5,577,090		Moses	11-1996	
		5,789,744		Spence, et al.	08-04-1998	
		5,669,975		Ashtiani	09-1997	
		5,761,481		Kadoch et al.	06-1998	
		5,801,971		Ohta	09-1998	
		5,819,073		Nakamura	10-1998	
		5,838,760		Moses	11-1998	
		5,864,322		Pollon et al.	01-1999	
		5,883,005	•	Minton et al.	03-1999	
		5,888,414		Collins et al.	03-1999	
		5,969,470		Druz et al.	10-1999	•
		6,024,935		Mills, et al.	02-15-2000	
		6,064,154		Crouch et al.	05-2000	· · · · · · · · · · · · · · · · · · ·
		6,149,829		Takamatsu et al.	11-2000	
		6,150,755		Druz et al.	11-2000	*
		6,151,532		Barone et al.	11-2000	
V		6,444,137		Collins et al.	09-2002	
/SK/		6,551,939		Takamatsu et al.	04-2003	,

Examiner Signature /Stephen Kalafut/ De Co	te 11/14/2007
--	---------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

P ⁻	ГО	/SB	/08 <i>A</i>	(M	odifie	d

Substitute for	form 1449A/PTO			Compl	ete if Known
				Application Number	09/110,694
INFO	RMATION	DIS	SCLOSURE	Filing Date	7/7/1998
STATEMENT BY APPLICANT		First Named Inventor	Mills		
				Group Art Unit	1745
(use	as many she	ets a	s necessary)	Examiner Name	Kalafut
Sheet	4	of	¥98	Attorney Docket Number	· ·

			U.	S. PATENT DOCUM	ENTS	
Examiner Cite No. 1			Cited Document Re	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures		
	Number (if known)	WWW	Appear			
/SK/		6,579,465		Takamatsu et al.	06-2003	
/SK/		6,690,705		Maksimov et al.	02-2004	
/SK/		7,188,033		Mills	03-06-2007	
/SK/		2001/0008803		Takamatsu et al.	07-2001	
/SK/		2002/0133326		Chung et al.	09-2002	
					•	
						· · ·
-					***	
				*		
				,		
		•				·
•						

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449A/PT6	Substitute for form 1449A/PTO		Complete if Known		
				Application Number	09/110,694	
INF	ORMATIC	ON DIS	CLOSURE	Filing Date	7/7/1998	
ST	STATEMENT BY APPLICANT			First Named Inventor	Mills	
				Group Art Unit	1745	
(u	(use as many sheets as necessary)			Examiner Name	Kalafut	
Sheet	5	of	* 98	Attorney Docket Number		

				ORE	GN PATENT DOC	JMENTS		
Examiner Initials*	Ci	F	oreign Patent Docum		No. of Salara	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	
	N ọ.	Office ³		Code ⁵ nown)	Name of Patentee or Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	T 6
/SK/		wo	90/10935	A1	Pons	09-20-1990		
/SK/		wo	90/14668	A2	Cravens	11-29-1990		
/SK/		wo	91/01036	A1	Dufour	01-24-1991		
	<u> </u>	wo	91/00579	A1-	Dush	00-13-1991		
/SK/		wo	93/17437	A1	Bush	09-02-1993		
		wo	94/10688	A1	Dufour	05-11-1994		
		wo	94/14163	A1	.McKubre	06-23-1994		
		wo	94/15342	A1	McKubre	07-07-1994		
		wo	95/20816	A1	Piantelli	08-03-1995	ie.	
		wo	99/05735	A1	Mills	03-04-1999	•	
		wo	99/26078	A1	Mills	5-27-1999	· · · · · · · · · · · · · · · · · · ·	
V		wo	99/34322	A1	Mills	7-8-1999	· · · · · · · · · · · · · · · · · · ·	
/SK/		wo	99/35698	А3	Mills	07-15-1999		

Examiner /Stephen Kalafut/	Date Considered	11/14/2007
----------------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete if Known			
			•	Application Number	09/110,694
INF	ORMATIC	N DIS	CLOSURE	Filing Date	7/7/1998
ST	STATEMENT BY APPLICANT			First Named Inventor	Mills
				Group Art Unit	1745
(u	(use as many sheets as necessary)			Examiner Name	Kalafut
Sheet	6	of	*98	Attorney Docket Number	

			·	OREI	GN PATENT DOCU	JMENTS		
Examine Initiats*	er Ci	F	oreign Patent Docume	ent		Date of Publication of Cited Document	Pages, Columns, Lines,	
muuais	N 0.	Office ³		Code ⁵ nown)	Name of Patentee or Applicant of Cited Document	MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ⁶
/SK/		wo	00/07931	A1	Mills	02-17-2000		
		wo	00/07932	A2	Mills	2-17-2000		
		wo	00/25320	A1	Davies	05-04-2000		
		wo	01/095944	A2	Mills	12-20-2001	·	
		wo	01/18948	A1	Mills	3-15-2001		
		wo	01/21300	A2	Mills	03-29-2001		
		wo	01/22472	A2	Mills	3-29-2001		
		wo	01/70627	А3	Mills	08-27-2001		
		wo	02/08787	A2	De Geus	01-31-2002		
		wo	02/087291	A2	Mills	10-31-2002		
		wo	02/088020	A2	Mills	11-7-2002		
V	,	wo	02/16956	A1	Mills	2-28-2002	.7	
/SK/	1	wo.	03/093173	A2	Mills	11-13-2003		

Examiner /S	Stephen Kalafut/	Date Considered	11/14/2007
-------------	------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete if Known			
,				Application Number	09/110,694
INF	ORMATIO	N DISC	CLOSURE	Filing Date	7/7/1998
ST	STATEMENT BY APPLICANT			First Named Inventor	Mills
		,		Group Art Unit	1745
(u	(use as many sheets as necessary)			Examiner Name	Kalafut
Sheet	7	of	X98	Attorney Docket Number	

			F	OREI	GN PATENT DOC	JMENTS		
Examiner Initials*	Ci te	Office ³	oreign Patent Documen Kind C Number ⁴ (if kno	ode ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/SK/	1	wo	03/066516	A2	Mills	8-14-2003	· · · · · · · · · · · · · · · · · · ·	<u> </u>
		wo	04/092058	A2	Mills	10-28-2004		
	1	wo	05/041368	A2	Mills	10-6-2005		
		wo	05/067678	A2	Mills	7-28-2005		
		wo	2005/116630	A1	Mills	12-08-2005		
		wo	2007/051078	A1	Mills	05-03-2007		
		wo	2007/053486	A1 ·	Mills	05-10-2007		
		EP	0 392 325	АЗ	Semiconductor Energy	10-17-1990		
		EP	0 395 066	A2	Matsushita Electric Ind.	10-31-1990		
		JP	53-134792		Ind. Res. Inst. Of Japan	11-24-1978		
		JP	56-136644		Hitachi	03-28-1980		
V		GB	2 343 291		Lloyd Wise, Tregear &	05-13-2000		
/SK/		JP	2002008892A		Shimazu	01-2002		

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007
-----------------------	-------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

	· · · · · · · · · · · · · · · · · · ·		T TOTOS (Modified		
Substitute	e for form 1449B/PTO	Complete if Known			
00030101	3 10 10 11 144 3DA 10	Application Number	09/110,694		
INI	FORMATION DISCLOSURE	Filing Date	7/7/1998		
	TATEMENT BY APPLICANT	First Named Inventor	Mills		
		Group Art Unit	1745		
	(use as many sheets as necessary)	Examiner Name	Kalafut		
Sheet	8 of *98	Attorney Docket Number			
					

				* 				
		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, sertal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Albagli, et. al. "Measurement and Analysis Fusion Products, and Power in Electrocher Energy, Vol 9, No 2, June 1990, pp. 133-14	nical Oclis Hav	Gamma-Ray Emission Rates, Other ing Pd Gathodes." Journal of Fusion				
		Alber, et. al. Search for Neutrons from Cold 333, 1989, pp. 319-320.	J Nuclear Fusio	m." Z. Phys. A Alomic Nuclei, Vol				
·		Alessandrolle, et. al. "Seerch for Cold Fucic Cimento, Vol 103A, No 11, November 1990	on Induced by D, pp. 1617-163	Electrolysic in Palladium." // Nuovo 38.				
/SK/		S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," http://www.scottaaronson.com/writings/doofusino.html						
		Associated Press. "Panel Opposes Gold Fusion Efforts." The Washington Post, July 13, 1989, p. A14.						
		Associated Press. "Pennsylvania CompanyCold Fusion Myetery." Loxic Nexio Reprint, 1991.						
		Associated Press. "Physicist: Utah Gold Fusion Sear Boesn't Work." The Washington Post, March 29, 1990, p. A3.						
/SK/		"Atomic Physics Progress Report 1995-1996" (internet page) atompc2.fysik.lth.se/AFDOCS/Progrep956/contents.asp (author and date unknown)						
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Сотр	lete if Known		
223001010				Application Number	09/110,694
!NI	FORMATION	וח ו	SCI OSIIDE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills	
				Group Art Unit	1745
	(use as many she	ets as	necessary)	Examiner Name	Kalafut
Sheet	9	of	¥98	Attorney Docket Number	

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS	,			
Examine r Initials*	Cite No. 1	item (book, magazine, journal, serial, symposis	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/SK/		"Atomic Spectroscopy" (internet page) physidate unknown)	"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)					
/SK/		Baard, Erik. "The Empire Strikes Back." The	e Village Voice	, April 26-May 2, 2000				
/SK/		Baard, Erik. "Quantum Leap." The Village V	Baard, Erik. "Quantum Leap." The Village Voice, Dec 22-28, 1999.					
/SK/		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." Dow Jones Newswires, Oct 6, 1999.						
/SK/		Baard, Erik, "Hydrino Theorist Gets Nod Fro Village Voice, Dec. 6, 2002	om NASA-Fund	ded Investigation Eureka?", The				
		Balke, et. al. "Limits on Neutron Emission From 'Gold Fusion' in Metal Hydridee.", Physical Review C, Vol 42, No 1, July 1990, pp. 30-37.						
/SK/	٠	R. W. Bass, "Email from Bob Bass to Rand	ell Mills," Augu	st 6, 2000.				
		Beiser, A. Concepts of Modern Physics, For York, 1978, p. 407.	urth Edition, M	sGraw Hill Book Gompany, New				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u> </u>			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	e for form 1449B/PTO			Сотр	lete if Known	
Substitute	53033000 101 101111 1443 5 11 10		Application Number	09/110,694		
INI	FORMATION	ı Die	CI OSLIBE	Filing Date	7/7/1998	
				First Named Inventor	Mills	
_				Group Art Unit	1745	
	(use as many she	eets as	necessary)	Examiner Name	Kalafut	
Sheet	10	of	498	Attorney Docket Number		

		OTHER PRIOR ART — NON PATENT LITERATURE D	OCUMENTS				
Examine r Initials*	Cite No. 1						
		Benetskii, et. al. "An Attempt to Observe Gold Thermonuclear Fusion Medium." Nuclear Research Institute, AS USSR, May 1989, pp. 75-					
		Besenbacher, et. al. "Search for Gold Fusion in Plasma Charged Polynomial of Fusion Energy, Vol 9, No 3, September 1990, pp. 315-31					
		"The Biggest Venture Cepital Conference of the Year is Quickly Approaching," Special to Evening Bullitin 09/29/2006, http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461&dept id=57636&rfi=6					
		Sishep. "It ain't ever til it's ever Gold Fusion." Popular Science, A	ug 1993, pp. 47-51.				
		Bishop. *Mere Labe Report Cold Fusion Results * Wall Street Journ	al. Oct 19, 1992.				
/SK/		BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6					
/SK/		Blacklight Power, Inc., "Second Shareholder Newsletter '97" http://web.archive.org/web/19980212141859/blacklightpower.com/	/sharenews2.html>				
/SK/		Blue. "Cold Fusion Lies 6." Deja News on the Internet, April 13, 199 http://x7.dejanew/us.com	7, pp. 1-2, available at				
Examiner Signature		/Stephen Kalafut/ Date Considered 11/14	1/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Complete if Known			
50030101	5 101 101111 1448B/F 10	,	·	Application Number	09/110,694
IAI		W DISC	N OSHIDE	Filing Date	7/7/1998
\	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills
				Group Art Unit	1745
	(use as many s	sheets as n	ecessary)	Examiner Name	Kalafut
Sheet	11	of .	X-98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/SK/		Blue. "Randell Mills' Sells Pot Shards." Deja available at http://x7.dejanew/us.com.	a News on the	Internet, April 30, 1997, pp. 1-2,			
		Boniface, et. al. "Celerimetry for a Ni/K ₂ GO	, Ocil." AEOL F	Research, June 1994.			
/SK/		Bosch, et. al. "Electrochemical Cold Fusion Vol 9, No 2, June 1990, pp. 165-186.	Trials at IPP 0	Sarching." Journal of Fusion Energy,			
		Booton Glober, "Successful nuclear fusion of 1989.	experiment by	the Haliane." Wedneeday, April 19,			
		Braaton. "Ridiculously Easy Tost Yields Ola March 24, 1989, p. A5.	im of Energy T	numph." The Washington Times,			
		Bradford: "A Colorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.					
/SK/		Briars. "Critique of New Energy, New Physics." 7 segments, Deja News on the Internet, March 9, 1989, pp. 1-9, available at http://x7.dejanew/us.com.					
/SK/		Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown)					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique ditation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	Complete if Known	lete if Known			
20D20IDIG	3 101 101111 14450/F	O		Application Number	09/110,694
INI		ON DIS	CI OSUBE	Filing Date	7/7/1998
i	STATEMENT BY APPLICANT			First Named Inventor	Mills
				Group Art Unit	1745
	(use as many	sheets as	necessary)	Examiner Name	Kalafut
Sheet	12	of	 #98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS		
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposiu publisher, city and	TERS), title of the a im, catalog, etc.), d Vor country where p	ate, page(s), volume-issue number(s),	T²	
		Broad. "2 Teams Put New Life in Cold Fusion A18.	on Theory." Ne	w York Times, April 26, 1991, p.		
		Broad. "Cold-Fusion Claim is Faulted on Etl March 17, 1991, pp. 1 and 30.	hics as Well as	Science.* The New York Times,		
		Brodowsky, "Solubility and diffusion of hydro Alloys," Tech. Bulletin, Englard Indust., Vol.	ogen an deuter 7, No. 1-2 (19	rium in Palladium and Palladium 66) pp. 41-50.	·	
		Browne. *Fusion Claims is Greeted With Scorn by Physicists.* The New York Times, May 3, 1989, pp. A1 and A22.				
		Browne. *Physicists Put Atom in 2 Places of	Once." The N	ew York Times.		
		Bush, et. al. "Helium Production During the Vol 304, 1991, pp. 271-278	ElectrolysisE	experiments." J. Electroanal Chem.,		
	-	Bush, et. al. "Helium Production During the of Texas, pp. 112.	ElectrolysisE	experiments." Preliminary Note, Univ.		
		Bush, et. al. "Power in a Jar: the Debate He Oct 26, 1992.	ats Up." 88 Bu	us. Week, <i>Science & Technology</i> ,		
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form 14498/PTO	Complete if Known			
200201016	101101111 14456/F10			Application Number	09/110,694
INI	EODMATION	חומ	SCI OSLIBE	Filing Date	7/7/1998
		 	First Named Inventor	Mills	
				Group Art Unit	1745
	(use as many she	ets as	necessary)	Examiner Name	Kalafut
Sheet	13	of	¥98	Attomey Docket Number	

		OTHER PRIOR ART — NON PA	TENT LITERAT	URE DOCUMENTS					
Examine r Initials*	Cite No. 1	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Product Distribution of the Oligomerization Chem. Vol 100, 1996, pp. 17866-17872.							
		Catlett, et. a. "Hydrogen transport in lithiu Chemical Physics, Vol 58, No 8, April 197							
		Chapline. "Cold Confusion." UCRL-10158	3, July 1989, pp. 1	1-9.					
		Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry(index.htm							
		"The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem	n/topicreview/bp/ch	n10/group7.html					
		Chien, et. al. *On an ElectrodeIntium at	nd Helium." J. Elec	troanal Chem., 1992, pp. 189-212.					
		CiteSeer, "Citations Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy 26 (4) 2001, pg. 309-326 http://citeseer.ist.psu.edu/comntext/1749692/449101 >							
		Clark, et. al. "Excess Energy Cell Final Re	eport." April 1995.						
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

					
Substitute for form 1449B/PTO		Complete if Known			
				Application Number	09/110,694
181	EODMAT	ION DIS	CI OSLIDE	Filing Date	7/7/1998
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills
				Group Art Unit	1745
	(use as mar	ny sheets as	necessary)	Examiner Name	Kalafut
Sheet	14	of	X98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LE item (book, magazine, journal, serial, symposi publisher, city an	TTERS), title of the um, catalog, etc.), d d/or country where p	ate, page(s), volume-issue number(s),	Τ2			
		Close. "Too Hot to Handle-The Race for Co	old Fusion." Prin	icetori University Press, 1969.	,			
		Collins, "Selling the Free Lunch," Scientific	Amorican, (No	v, 2002)				
/SK/		Conrads, et. al. "Emission in the Deep Vac Plasma in a Potassium Carbonate Cell", Pl	uum Ultraviolet lasma Sources	from an Incandescently Driven Science and Technology, submitted.				
	**********	Conversion Table cgs/Si-Units: www.plasn	naphysics.org.c	il v'convers.h(m				
		Cooke: "ORNL/FTR-3341:" July 31, 1989, 1	ор. 2-15.					
		Gribier, et. al. "Genventional Sources of Fast Neutrons in Gold Fusion Experiments." Physics Letters B, Vol 228, No 1, September 7, 1989, pp. 163-166.						
		Griddle: "The Relea of SolutionExcess Heating." Electrochemical Science & Technology Centre, Univ. of Ottawa.						
		Datz, et. al. "Molecular Association in Alkeli 34, No 5, Feb. 1961, pp.558-564.	Halide Vapere	." Journal of Chamical Physics, Vol				
Examiner Signature		/Stephen Kalafut/	Date Considered	/Stephen Kalafut/				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form 1449B/PTO			Comp	lete if Known
Odbatiate	101 101111 14430/1-10			Application Number	09/110,694
IAI	FORMATION	פוט ו	CLOSURE	Filing Date	7/7/1998
	ATEMENT E			First Named Inventor	Mills
				Group Art Unit	1745
	(use as many she	ets as	necessary)	Examiner Name	Kalafut
Sheet	15	of	X98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS	
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposic publisher, city and	TERS), title of the um, catalog, etc.), d d/or country where p	late, page(s), volume-issue number(s),	T²
		Bagani: *Oold Fusion believer turns skeptic Washington, June 5, 1995, pp. 34-45.	crusades for r	nore rigorous research." G&EN	
/SK/		Dagani "Cold Fusion-Utah Pressures Pons	, Fleischmann.'	" C&EN, January 14, 1991, pp. 4-5.	,
		Dagani. "Latest Cold Fusion Results Fail to 40.	Win Over Ske	ptics:" O&EN, June 14, 1999, pp.98-	
		Dagani, "New Evidence Claimed for Nuclea April 1991, pp. 31-33.	r-Precese in 'C	ield Fueien'.* G&ÉN Washington,	
		Directory: Blacklight Power, From PESWilki http://peswiki.com/index.php/Directory:Blacklight			
/SK/		Durr, et. al. "Origin of quantum-mechanical experiment in an atom interferometer." Nato	complementar ure, Vol 395, So	ity probed by a 'which-way' eptember 3, 1998, pp. 33-37.	
		"Farth Tech's Campaign to Replicate one o December 20, 1997 available at www.eden	f BlackLight Pc .com/~little/blp/	wer Excess Heat Results." /prelim.html, pp. 1-41.	
/SK/		Evans, et. al. "XPS/ESCA Results." CE & A	Number 4454	5, Nov 1994.	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	L

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	Substitute for form 1449B/PTO			Comp	lete if Known	
Substitute	8 101 101111 1449B/F 10			Application Number	09/110,694	
INI	FORMATIO	NI DISA	CLOSUBE	Filing Date	7/7/1998	
	ATEMENT			First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as many si	heets as r	ecessary)	Examiner Name	Kalafut	
Sheet	16	of	×498	Attorney Docket Number		

-····		OTHER PRIOR ART — NON PAT	ENT LITERAT	TURE DOCUMENTS				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	•	E-mail to Examiner Wayner from Jeffrey A.	Cimonauor	,				
/SK/		Ewing, et. al. "A sensitive multi-detector net experiments in an underground laboratory; Transactions on Nuclear Science, Vol 37, N	negative result	s and positive artifacts." IEE				
		*Experimental Verification by Idaho Nationa	i Engineering L	aboratory." pp. 13•29.	·			
· · · · · · · · · · · · · · · · · · ·		Faller, et. al. Investigation of Cold Fusion h Vol 137, No 1, August 21, 1989, pp. 9-16.	THeavy Water	* V: Radioanal: Nucl. Chem. Letter,				
/SK/	,	Fischer. "Die optische Absorption der U ₂ -Ze <i>Physik</i> , Vol 131, 1952, pp. 488-504.	entren in Alkalih	alogenidkristallen", Zeitschrift für				
		J. Flemming, et. al. "Calerimetrie Studiee of Isotopes into Palladium," J. of Fusion Energ						
/SK/		M. Fowler, "The Lorentz Transformation," U http://galileo.phys.virginia.edu/classes/252						
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known			
Cobstitute				Application Number	09/110,694		
INI	FORMATION	ו טופר	N OSLIDE	Filing Date	7/7/1998		
	ATEMENT E			First Named Inventor	Mills		
ı				Group Art Unit	1745		
	(use as many she	ets as n	ecessary)	Examiner Name	Kalafut		
Sheet	17	of	298	Attorney Docket Number	·		

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS	
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposiu publisher, city and	ım, catalog, etc.), d	late, page(s), volume-issue number(s),	T ²
/SK/		Fuchs and Peres. "Quantum Theory Needs 70.	No 'Interpreta	tion'." Physics Today, March 2000, p.	
		Fuelen Digest, "Gold Nuclear Fusion Dibliog	_{пар} пу," 1993:		
		Fusion Digest, "Heat? Neutrons? Charged f	Particles?;" 19	93.	_
		Gement et al "Anomalous Heat From Aton Carbonate." Thermacore, Inc.	nic Hydrogen i	n Contact with Potassium	
/SK/		Gottfried, "Quantum electrodynamics: Matte www.nature.com/cgi-taf/DynaPage.te/jour			,
/SK/		Hadfield. "Lukewarm reception for Japanese 10.	e cold fusion."	New Scientist, October 31, 1992, pg.	
·		Hejdae, et. al. "Search for Gold Fucion Ever 1989, pp. 309-313.	nts." Solid Stat	e Gommunications, Vol 72, No 4,	
	,	Hansen, et. al. "Faradalc efficiencies less the for excess heat in 'sold fusion' solls," J. of F 6979 (Paper I).	an 100% durir Physical Chem	ng electrolysis of water can account n, Vel. 90, No. 18 (1997) pp. 6973	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u></u>

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	e for form 1449B/l	OTO.		Complete if Known		
Cocanaa	5 IOI 10IIII 14450/I	10		Application Number	09/110,694	
INI	EODMAT	ION DISA	CLOSURE	Filing Date	7/7/1998	
			PLICANT	First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as man	y sheets as n	ecessary)	Examiner Name	Kalafut	
Sheet	18	of	¥98	Attorney Docket Number		

		OTHER PRIOR ART — NON PAT	ENT LITERAT	URE DOCUMENTS	
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposiu publisher, city and		te, page(s), volume-issue number(s),	T ²
		Hardy, et. al. "The Volatility of Nitrotes and Chemical Society, 1963, pp. 5130-5134.	Nitritee of the A	ikeli Metale." Journal of the	
/SK/	:	The Harvard Crimson News: Academics Questite://www.the crimson.com/printerfriendly	estion the Scie aspx?ref=1009	nce Behind Blacklight Power, Inc." 39>	
/SK/		Henderson, et. at. "More Searches for Cold Dec. 1990, pp. 475-477.	Fusion." Journa	al of Fusion Energy; Vol. 9, No. 4,	
		Hilts "Significant Errors Reported in Utah F 1989, pp. A1 and A7.	usion Exports."	-The Washington Post, May 2,	<u> </u>
-		Hines, "Ocientific Mistakes. N-rays and Poly Prometheus Books, 1988, pp. 8-13	water", Pseudo	Science and the Paranormal,	
***************************************		Heranyi: "Some Basic Electrochemistry and Radioanal. Nucl. Chem. Letters, Vol 137, No.	the Gold Nucle o 1, August 21,	ar Fusion of Deuterlam:* <i>J.</i> 1989, pp. 23-28.	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known				
Sansutate	101 101111 144907-10			Application Number	09/110,694			
INI	FORMATION	n Disc	I OSLIDE	Filing Date	7/7/1998			
	ATEMENT			First Named Inventor	Mills			
				Group Art Unit	1745			
•	(use as many sh	eets as ne	cessary)	Examiner Name	Kalafut			
Sheet	19	of	#98	Attorney Docket Number				

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS	
Examine r Initials*	Cite No.	include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposic publisher, city and		ate, page(s), volume-issue number(s),	T ²
		Huizonge, "Abetract from 'New development the American Chemical Society, Vol 207, N			
/SK/		Huizenga. "Cold Fusion." C & EN, Vol 70, J	uly 20, 1992, p	g. 3.	
		Huizenga. "Oold Fusion Labeled Fiasse of Public Policy, Vol 7, No 4, pp. 78-83.	the Gentury:" F	orum for Applied Research and	
		Huizenga: "Gold Fusion-The Scientific Flas	co of the Centu	ny." Oxford University Press, 1993.	
<u></u>		"Hydrine Theory;" ≺http://en.wikipedia.org/v	riki/hydrino_the	оту	
		*The Hydregen Atom," <http: cla<="" td="" www.physics.nmt.edu="" ~raymond=""><td>sses/ph13xboo</td><td>k/node208.ntml></td><td></td></http:>	sses/ph13xboo	k/node208.ntml>	
.		Hydrogen News 1999 ≼http://www.ch2be.er	g/bulletin/bulle	tin10001112.htm>	
		"Italy Gold Fusion & Judge's Verdict;" (1990 http://www.padrak.com/ine/cflibel.html.	3), pp. 1-9, aval	ilable at	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u> </u>

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subatibut	Substitute for form 1449B/PTO		Сотр	lete if Known	
30080t0t	8 IOI IOIIII 14480/	FIO		Application Number	09/110,694
INI	EODMAT	ION DI	SCLOSURE	Filing Date	7/7/1998
			APPLICANT	First Named Inventor	Mills
				Group Art Unit	1745
	(use as mar	ny sheets a	s necessary)	Examiner Name	Kalafut
Sheet	20	of	X98	Attorney Docket Number	
	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·

		OTHER PRIOR ART - NON F	DATENT LITERA	TUPE DOCUMENTS	-				
		THER PRIOR ART = NON P	ATENT LITERA	TORE DOCUMENTS					
Examine r Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Nov 1993.	National Engineer	ing Laboratory, EO &O Idaho, Inc.,					
		Jansson: 'Hydrocatalysis:: A New Ener Science in Engineering Degree in the G							
/SK/		Johansson, et. al. "A Model for the orig gaseous condensations of the star η Co pp.266-278.	gin of the anomalou arinae" Astronomy	us and very bright UV lines of FE II in & Astrophysics. Volume 378 (2001)					
		lones "Current Issues in Cold Fusion 1992, pp. 283-289.	Particles." Surfac	oe and Geatings Technology, Vol 51,					
		Jones, et. al. "Examination of Claims of 6966-6972.	Milos Experime	nts." J. Phys. Chem., 1995, pp.					
		Jones, et. al. "Faradale Efficiencies C	Dells." J. Phys. Ghe	лл., 1005, pp. 6073-6079,					
/SK/		Jones, et. al. "Serious Flaws in Patterson (SOFE '95)Demo on Cold Fusion." available at http://x7.dejanews.com, October 1995.							
		Ivanco, et. al. "Oalorimetry For a Ni/K ₂ C	O3 Cell." AECL Re	search, June 1994.					
Examiner Signature	T	/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	e for form 1449B/PTO		Сотр	Complete if Known			
00030101	01011011111143011110		Application Number	09/110,694			
INI	FORMATION	N DISCLOSUR	Filing Date	7/7/1998			
		BY APPLICAN	First Named Invisator	Mills			
			Group Art Unit	1745			
	(use as many sh	eets as necessary)	Examiner Name	Kalafut			
Sheet	21	of ¥ 98	Attorney Docket Number				

Examine	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the						
Initials*	No. 1	Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
······································		Kalin: "Confusion in a Jar," Nova, 1901.						
	•	Karabut, et. al. "Nuclear ProductDouterius	m.* Physics Lo	Horo A170, 1002, pp. 265-272.				
/SK/		Karplus and Porter. Atoms and Molecules: The Benjamin/Cummings Publishing Comp	An Introduction any, Menio Pa	n for Students of Physical Chemistry, rk, California, 1970, p. 3, 118-123.				
		Karplus and Porter Atoms and Molecules The Benjamin/Cummings Publishing Comp	An Introduction any, Menlo Pa	o for Studente of Physical Chemistry, rk, California, 1970, p. 567.				
/SK/		Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."						
		Kiolin: "Attachments to Report of Gold Fusion Testing." Gold Fusion, No 9, pp. 16-19.						
/SK/		Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.						
		Kreysa, et. al. 'A Critical Analysis of Electrochemical Nuclear Fusion Experiments." J. Electroanal. Chem., Vol 266, 1989, pp. 437-450.						
xaminer Ignature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE		Complete if Known				
000301016	101 101111 1443011 10			Application Number	09/110,694	
INI	FORMATION	ם ו	CLOSUBE	Filing Date	7/7/1998	
,			,	First Named Inventor	Mills	
STATEMENT BY APPLICAN	· · · · · · · · · · · · · · · · · · ·	Group Art Unit	1745			
	(use as many she	ets as	necessary)	Examiner Name	Kalafut	
Sheet	22	of	*98	Attorney Docket Number		

= .	-	OTHER PRIOR ART — NON PATE	ENT LITERA	TURE DOCUMENTS				
Examine r Initials*	Cite No. 1							
		Purtz, et. al. "Report on Calometric Investiga Formation." Hydrocatalysis Power Corp. Re	ations of Gas-l port, Decemb	Phase Catalyzed Hydrino er 1996.				
		Labov. "Spectral ObservationsBackground 1991, pp. 810-819.	I." The Astrop	hysical Journal, Vol 371 April 20,				
		Leggett, et. al. "Exact Upper Bound'Cold F July 1989, pp. 190-194.	Fusion'." Phys	cical Review Letters, Vol 63, No 2,				
		"Lehigh X-Ray Photoelectron Spectroscopy	Report." Dece	nber 8, 1993.				
		Lewis, et. al., "Searches for Low-Temperature Moclear Fusion of Deuterium in Palladium." Nature, Vol 340, August 17, 1989, pp. 525-830. Maly, et. al. "Electron Transitions on Deep Dirac Levels I." ANS Reprint, Fusion Technology, Vol 24, Nov. 1993, pp. 307-318.						
		Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", IEEE Transactions on Plasma Science, submitted.						
		McNally. "On the Possibility of a Nuclear Mas Energy." Fusion Technology, Vol 16, No 2, S	ss-Energy Res September 198	sonance in D + D Reactions at Low 89, pp. 237-239.				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subclibut	e for form 1449B/PT0	Complete if Known Application Number 09/110,694 Filing Date 7/7/1998 First Named Inventor Mills Group Art Unit 1745 Examiner Name Kalafut			
30050101	6 101 101111 1445B/F1	,		Application Number	09/110,694
INI	EODMATIC	M DISCL	OSLIDE	Filing Date	7/7/1998
				First Named Inventor	Mills
				Group Art Unit	1745
	(use as many s	sheets as nece	ssary)	Examiner Name	Kalafut
Sheet	23	of	#98	Attorney Docket Number	

Examine	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the							
Initials*	No. 1	Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Merriamen, et. al., "An attempted replicate on the Internet, May 1, 1997, available at	ion of the CETI (www.math.ucla.	Cold Fusion Experiment." published eou/~bany/CF/GETIX.html, pp. 1-17					
		Milles et. al. "Correlation of ExcessPalla 117.	dium Cathodos. "	J. Electronii Chem., 1993, pp. 99					
		Miles et. st. "ElectrochemischPalladium 241-254.	Dautorium Syste	m." J. Electroanal Ohem., 1990, pp.					
	-	Miles et. al. "Heat and HeliumExperimed 372.	nts." Gonference	- Fraccedings, Vol 33, 1991, pp. 963-					
		Miles, et. al. "Search for Anomalous Effect Weepens Division, Proceedings of 3" Int. pp. 21-25.	ts Palladium C Conf. on Cold F	Cathodes." Naval Air Warfare Center Fuelon, Nageya, Japan, Oct. 1992,					
/SK/		Miller. "Memo from Bennett Miller to Dr. Robert W. Bass." October 9, 1997, pp. 1-10.							
		Mickelly, et. al. "Analysis of the Published Calerimetric Evidence for Electrochemical Fusion of Deuterium in Palladium." Science, Vol 246, No 4931, November 10, 1989, pp. 793-96.							
		Monroe, et. al. "A Schrodinger Cat Super, 1996, pp. 1131-1101.	position State of	en Atom." Science, Vol 272, May 24,					
Examiner	Τ.	/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subolibut	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known				
30030101				Application Number	09/110,694	
INI	FORMAT		ISCI OSLIDE	Filing Date	7/7/1998	
ł				First Named Inventor	Mills	
			• .	Group Art Unit	1745	
	(use as man	y sheets	as necessary)	Examiner Name	Kalafut	
Sheet	24	of	X498	Attorney Docket Number		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS						
Examine r initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²					
/SK/		Morrison. "Cold Fusion Update No. 12, ICCPG." Jan 17, 1997, available online at "www.skypoint.com".						
		Munison: "Comments on claims of excess entholpy by Floischmann and Roos using simple cells made to boil." Physics Letter A, Vol 185, February 28, 1994, pp. 498-502.						
		Morrison, "Review of Progress in Cold Fusion." Transactions of Fusion Technology, Vol 26, Dec 1994, pp. 48-55.						
		Montson, "Review of Cold Fusion," Sov. Phys. Usp. 94, December 1991, pp. 1955-1969.						
		Memisen, "Celd Fusion Update No. 10," dated April 1, 1995, available at http://www.skypoint.com/members/slogajan/files/morrison.txt, pp. 1-8.						
/SK/	1	Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." Journal of Fusion Energy, Vol 9, No 3, pp. 30-37, 1990.						
/SK/		Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." Journal of Fusion Energy, Vol 9, No 3, pp. 30-37, 1990.						
/SK/		Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." Journal of Fusion Energy, Vol 9, No 3, pp. 30-37, 1990. Niedra. "Replication of the Apparent Excess Heat Effect in Light Water Oell." NASA Technical Memorandum 107167, Feb. 1996.						
/SK/		Energy, Vol 9, No 3, pp. 30-37, 1990. Niedra. "Replication of the Apparent Excess Heat Effect in Light Water Oell." NASA						

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subotibut	e for form 1449B/	(PTO		Comp	lete if Known	
3003000	ASSOCIATION PARAGEMENT		Application Number	09/110,694		
INI	EODMAT	ION DIS	CI OSLIDE	Filing Date	7/7/1998	_
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills	
			,	Group Art Unit	1745	
,	(use as mar	ny sheets as r	necessary)	Examiner Name	Kalafut	
Sheet	25	of	*98	Attorney Docket Number		

		OTHER PRIOR ART — NON PA	TENT LITERA	TURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL L item (book, magazine, journal, serial, sympo publisher, city a	ate, page(s), volume-issue number(s),	T²			
-		NIGT's Physical Reference Datasheet, "E http://physics.nist.gov/PhysRefData/HDEt		tydrogen and Deuteriam,* ≺URL			
		Nonlinski. Excess Heat During the Electro Technology, Vol 21, March 1992, pp. 163	olysis of a Light V -167	VoterNickel Cathode " Fusion			
		Noninski, et. al. "DeterminationHeavy W 367.	later." Fusion To	ohnology, Vel 19, 1999, pp. 365			
		Notoya. "Gold Fusion Nickel Electrode.	" Fucion Technol	logy, Vol 24, 1993, ρρ. 292 294,			
		Notoyo, "Tritium Concration Nickel Elec 183.	trodes:" Fusion	Тесітоїоду, Voi 26, 1994, pp. 179-			
•		Notoya, et. al. "Excess Heat Production in Conf. on Cold Fusion, Oct. 21-25, 1992, T	· Electrolysis E okyo, Japan.	lectrodes." Proceedings of the Int.			
/SK/		Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i> , pp. 203-216, 1982					
		Ohashi, et. al. "Deceding of Thormal Data Tech., Vol 26, No 7, July 1989, pp. 729-73	in Floischmann 32.	& Pono Paper." J. of Nucl. Sci., &			
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u> </u>		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	e for form 1449B/F	OTO.		Complete if Known			
3000000			Application Number	09/110,694			
INI	EODMATI	ON DIS	CI OSLIDE	Filing Date	7/7/1998		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills		
				Group Art Unit	1745		
	(use as man	y sheets as	necessary)	Examiner Name	Kalafut		
Sheet	26	of	#98	Attorney Docket Number			

	_	OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS	·		
Examine r Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Ohmori, et. al. "Excess Heat Evolution Ti 293-295.	n Cathodes." F	usion Technology, Vol 24, 1993, pp.			
		Oka, et. al. "D ₂ O-fueled fusion power reactor and Deuterium-tritium reactions-preliminary Vol 16, No 2, September 1989, pp. 263-267	design of a re-				
		Park, Rebert L. "Perpetual Motion: Still Geir pg H93."	ng Around." W	achington Post, January 12, 2000,			
/SK/		Park, What's New, Friday 03/17/2006					
/SK/		Park, What's New, Friday 01/13/2006			·		
/SK/		Park, What's New, Friday 04/26/1991					
/SK/	Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, Westinghouse STC, Feb 1994.						
,		Phillips, et. al. "Additional Galorimetric Exan K/Carbon and PD/Carbon." Consulting Rep	nples of Ansme port, Jan 1996.	alous Heat From Physical Mixture of			
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	L		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subalibut	Substitute for form 1449B/PTO		Complete if Known		
Substitut	8 IOF IOIII) 14486/F	-10		Application Number	09/110,694
INI	EODMAT	ION DIS	CL OSLIDE	Filing Date	7/7/1998
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills
				Group Art Unit	1745
	(use as man	y sheets as	necessary)	Examiner Name	Kalafut
Sheet	27	of	X98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r Initiats*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
/SK/		Plasmaphysics.org. Conversion Table: cgs/SI- units. (internet page) www.plasmaphysics.org.uk/convers.htm. (no author or date listed)						
/SK/		Platt, Charles. "Testing the Current." Wash	nington Post.	June 25, 2000, pg X05.				
		Physics Web 08/05/2005, "Hydrogen result	e causes contr	oversy"				
/SK/		Popov. "Electrochemical Characterization o ion Batteries." Department of Chemical En						
		Price, et. al. "Search for Energetic Charged Particle Emission from Deuterstod Ti and Pd Foils." Physical Review Letters, Vol 63, No 18, Oct 30, 1989, pp. 1926-1929.						
		Prop. to the United Press, "Theory May Explain 'Gold Fusion' Puzzle," Lexis Nexts Reprint, 1991.						
,		Roos, "Cold FusionWhat Do Wo Think?", 110-116.	Journal of Fuel	on <i>Enorgy</i> , Vol 10, No 1, 1001, pp.				
/SK/		Real Climate, 20 January 2005, "Peer Revie http://www.realclimate.org/index.php?p=10		ry But Not Sufficient Condition,"				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substibute	e for form 1449B/P	TO		Comp	lete If Known
300301011	710110HII 14490/F	10		Application Number	09/110,694
INI	FORMATI	ON DI	SCI OSLIDE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills
				Group Art Unit	1745
	(use as many	sheets a	s necessary)	Examiner Name	Kalafut
Sheet	28	of	#98	Attorney Docket Number	

		OTHER PRIOR ART — NON PA	ATENT LITERA	TURE DOCUMENTS					
Examine r inklais*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
/SK/		Rogers, et. al., "Cold Fusion Reaction Pro Technology, Vol 9, No 4, 1990, pp. 483-4		Measurement." Journal of Fusion					
		Rogere, "leetopie hydrogen fusion in met 1989, pp. 2254-259.	ala." Fusion Toch	nology, Vol 16, No 2, Soptember					
/SK/		Rothwell. "Italy-Cold Fusion & Judge's Vewww.padrak.com/ine/CFLIBEL.html, pp. 9		4, No 1, March 26, 1996, available at					
		Rousseau. "Oase Studies in Pathelegical Science." American Scientist, Vol.80, 1992, pp. 54-63.							
		Paut, et. al. "Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium." 3 rd Annual Conference on Cold Fusion, Oct. 21-25, 1992.							
		Selemen, et. al. "Limite Electrolytic Cells." Nature, Vol 344, March 29, 1990, pp. 401-405							
,		Schrieder, et. al. "Search for Gold Nuslear Fusion in Palladium-Deuterium." Z. Phys. B-Condensed Matter, Vol 76, No 2, 1989, pp. 141-142.							
		Service: "Gold Fuelen: Still Going." News	wook Focus, July	10, 1003.					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

					T TOTODIOD (Modifica
Substitut	e for form 1449B/I	PTO.		Comp	lete if Known
Substitute for form 14495/FTO				Application Number	09/110,694
IN	FORMAT	ION DIS	CI OSLIDE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills
				Group Art Unit	1745
	(use as man	y sheets as	necessary)	Examiner Name	Kalafut
Sheet	29	of	X98	Attorney Docket Number	

Cuambaa	04.				1				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Shani, et. al. "Evidence for a Background Palladium." Solid State Communications, \	Neutron Enhand Vol 72, No 1, 19	ed Fusion in Deuterium Absorbed 189, pp. 53-57.					
		Shaubach, et. al. 'Anomalous HeatOarbo	onato." Thorma	sere, Inc., pp. 1-10.					
/SK/		Shelton, et. al. "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry." Elsevier Science B.V., Thermochimica Acta 297,1997, pp. 7-15.							
/SK/		Shermer, "Baloney Detection", Scientific American, November 2001							
/SK/		Silvera, et. al. "Deuterated palladium at ter kbar; Search for cold fusion." <i>The America</i> 14, November 15, 1990, pp 9143-9146.	nperatures from In Physical Soci	n 4.3 to 400K and pressures to 105 lety, Physical Review B, Vol 42, No					
•		Souw, Bemard, "Otherent Telescope array with self hemedyne interfermetric detection for optical communications," Opt. Eng. 42(11) 3139-3157 (Nov. 2003).							
		E.K. Seuw, "Anemaleus Breadening and Splitting of Hel and Arl lines in misrowave plasmas," unpublished data, 12/01/2003.							
		Srinivasan, et. al. "Tritium and Excess Heat Generation during Electrolysis of Aqueous Selutions of Alkeli Salts with Niskel Sathado." 3 rd Annual Conference on Cold Eusien, Oct. 21 25, 1992.							
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u> </u>				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

					
Substitute for form 1449B/PTO		Complete if Known			
		Application Number	09/110,694		
INI		ON DIS	CLOSURE	Filing Date	7/7/1998
			PLICANT	First Named Inventor	Mills
				Group Art Unit	1745
	(use as many	sheets as r	necessary)	Examiner Name	Kalafut
Sheet	30	of	¥98	Attorney Docket Number	

	r	OTHER PRIOR ART — NON PAT	ENI LIIERA	TURE DUCUMENTS	· · · · · · · · · · · · · · · · · · ·			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
***************************************		Stehn: "Theory May Explain Gold Fusion Pu 1991.	zelo." Loxis Ro	print, Weshington News, April 25,				
/SK/		Stripp. *Georgia Group Outlines Errors Tha Wall Street Journal, April 26, 1989, p. B4.	t Led to Withdr	awal of Cold Fusion Claims." The				
		Storms, et al. "Electrolytic Tritium Production 695.	en." Fuelen Tec	ohnology, Vel 17, July 1999, pp. 699-				
		Suplee "Two New Theories on Cold Fusion 1991, p. A11.	····Seienticte."-T	The Washington Post 1 st Section,				
		Taubes: "Bad Science:" Random House, 46	999, pp. 999, 4	25-484.				
• • · · · · · · · · · · · · · · · · · ·		Taubes "Cold Fusion Conundarm at Toxas 15, 1990, pp. 1299-1304.	: A. &. M." <i>Scio</i> no	pe, Vel 248, News & Comment, June				
/SK/		Taylor, et. al. "Search for neutrons from Decurrents." Fourth International Conference (4, 1994, pp. 1-11.	uterated pallad	ium subject to high electrical , Maui Hawaii, L.A-UR 94-970, May				
/SK/		Thermacore, Inc. "SBIR Phase I Nascent H 1994.	ydrogen: An Er	nergy Source." Final Report, March				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	1			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

					1		
Substitute	for form 1449B/PTO			Complete if Known			
000301010	10/10/11/14430/11/0			Application Number	09/110,694		
INI		DIG	SCI OSLIBE	Filing Date	7/7/1998		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills			
				Group Art Unit	1745		
	(use as many she	ets as	s necessary)	Examiner Name	Kalafut		
Sheet	31	of	£98	Attorney Docket Number			

		OTHER PRIOR ART — NON PA	TENT LITERA	TURE DOCUMENTS	•			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Thome, et. al. "Recombination during the Account for the Reports of Excess Heat?" Young University, June 1993.						
		Time 2 wake up: "New Pewer SOURGE t	nat turns physics	en ite head," 11/00/2005.				
/SK/		Tumer. "Declaration of Dr. Gary L. Turne	r." 24 August 20	04.				
		U.S. Department of Commerce, Summary of Ethics Rules, USPTO, 2000, October 15, 2004						
		Vaselli et. al. "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Gold Nuclear Fusion." 11 Nuovo Gimento Bolla Societa Italiana di Fisica, Vol. 11D, No. 8, June 1989, Bologna, Italy, pp. 927-932.						
•		Wolcome to MIT's OpenGoursoWare Home Page: MIT 2005: http://exw.mit.edu/index.html						
/SK/		Weisskopf, V.F. "Recent developments in Physics, Vol 21, No 2, 1949, pp. 305-315		e electron." Reviews of Modern				
/SK/		Wikipedia, Chapter 9: "Peer Review and Fraud," http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud						
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u></u>			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	 	Сотр	lete if Known		
				Application Number	09/110,694
INI	FORMATION	א טופ	CI OSLIDE	Filing Date	7/7/1998
STATEMENT BY APPLICANT			First Named Inventor	Mills	
				Group Art Unit	1745
	(use as many sh	eets as	necessary)	Examiner Name	Kalafut
Sheet	32	of	X 98	Attorney Docket Number	

*		OTHER PRIOR ART — NON PAT	ENT LITERAT	URE DOCUMENTS					
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Williams: Opper Bounds on Cold Fusion in 1989, pp. 375-384.	Electrolytic Cel	ls." Nature, Vol 342, 23 Nevember					
/SK/		Wilson, et. al. "Analysis of experiments on Elsevier Sequoia S.A., Journal of Electroan 14, 1992, pp. 1-31.	the calorimetry of alytical Chemist	of LiOD-D₂O electrochemical cells." try, Vol 332, Nos. 1 and 2, August					
		Yamaguchi et. al. "Direct EvidencePallad 1-10.	ium." NTT Basic	Recearch Laboratories, 1992 pp.					
		Zweig, *Quark Catalysis of Exothermal Nuc 979.	lear Reactions*,	Science, Vol. 201; (1976), pp. 973-					
		·							
	_		•						
					·				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	e for form 1449B/PTO			Complete if Known		
SODSULUE	3 101 10HH 1449B/P1Q			Application Number	09/110,694	
INFORMATION DISCLOSURE	CI OSLIDE	Filing Date	7/7/1998			
STATEMENT BY APPLICANT				First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as many sh	eets as i	necessary)	Examiner Name	Kalafut	
Sheet	33	of	¥98	Attorney Docket Number		
				*	·	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS			
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/SK/		116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capactively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)					
/SK/		115. R.L. Mills, H. Zea, J. He, B. Dhandapa of Atomic Hydrogen," International Journal Date: May 12, 2006)					
•		114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H. Balmer & Broadening in Certain Hydrogen Mixed Plasmas." I Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.) 113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press (Internet Publication Date: June 9, 2005.)					
		112. R. L. Mills, J. He, Y. Lu, Z, M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Petential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988–3009. (Internet Publication Date: May 9, 2005.)					
		111. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Nevel Hydrogen Species H'(1/4) and H ₂ (1/4) as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)					
		110. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Propr. Pap. Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)					
		109. R. L. Mills, M. Nansteel, J. He, B. Dhar Source Due to Catalysis of Atomic Hydroge Publication Date: April 15, 2005.)	ndapani, "Low- n," J. Plaeme f	Voltage EUV and Visible Light Physics, submitted: (Internet			
Examiner Signature /Stephen Kalafut/ Date Considered 11/14/2007							

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Cubatibut	e for form 14498/PTO			Complete if Known			
300801016	9 101 101111 14495/P1O			Application Number	09/110,694		
INI	FORMATION	וח ו	CI OSLIDE	Filing Date	7/7/1998		
l	TATEMENT E			First Named Inventor	Mills		
				Group Art Unit	1745		
	(use as many she	ets as	necessary)	Examiner Name	Kalafut		
Sheet 34 of #18			*18	Attorney Docket Number			

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS			
Examine r initials*	Cite No. 1	tnctude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		NB. R. L. Mills, J. He, M. Nansteel, B. Dha Hydrides as a New Power Source," Internal Special Edition in Energy Systems, in press	lional Journal o	of Global Energy Issues (IJGEI).			
		107. R. L. Mils, "Maxwell's Equations and C Essays, in press. (Internet Publication Date					
		106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)					
		105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)					
		104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22–26, 2004. Philadelphia, PA.					
		103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K ₂ CO ₃ Electrolysis Gases," Chemical Engineering Science, submitted. (Internet Publication Date: April 28, 2004.)					
		102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One-through Twenty- Electron Atoms," Phys. Essays, Vol. 18, No. 3 (2005), 321–361. (Internet Publication Date: April 22, 2004)					
		101. Mills et al. *Energetic Catalyst-Hydrog Source,* Division of Fuel Chemistry, Sessio 227th American Chemical Society National	n: Chemistry o	f Solid, Liquid, and Gaseous Fuels.			
	Examiner Signature /Stephen Kalafut/ Date Considered 11/14/2007						

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

				1 10:00:000 (:::00:::00)	
Substitute for form 1449B/PTO			Complete if Known		
000301010	10/10/11/14/98///10		Application Number	09/110,694	
INIE	-OPMATION	I DISCI OSTIDE	Filing Date	7/7/1998	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	Mills		
			Group Art Unit	1745	
	(use as many she	eets as necessary)	Examiner Name	Kalafut	
Sheet	35	of #498	Attorney Docket Number		

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS			
Examine r initials*	Cite No.	Include name of the author (in CAPITAL LE Item (book, magazine, journal, serial, symposi publisher, city and		ate, page(s), volume-issue number(s),	T ²		
		NO. Mills et al., "Highly Stable Amorphous Materials Chemistry and Physics, 94/2-3, (2) 17, 2003.)					
		99. Mills et al., "Spectral Identification of H	2(1/2)," submitt	ed.			
		98. R. L. Mills, Y. Lu, Y. He, M. Nansteel, P. Identification of New States of Hydrogen," I Publication Date: Nov. 18, 2003.)	. Ray, X. Chen, New Journal of	A. Voigt, B. Drandapani, "Spectral Chemistry submitted. (Internet			
		97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, Vol. 72, Issue 4, (2008), pp. 469-484, Internet Publication Date: Sept. 26,					
		96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Organ Species," J. Plasma Phys., submitted. (Internet Publication Date: Sept. 12, 2003.)					
. .		95. Mills et al., "Excessive Balmer of ine B RF Discharge Plasmas," IEEE Transactions Publication Date: Aug. 18, 2002.)	troadening of W s,on Plasma So	(ater-Vapor Capacitively-Coupled ideace, submitted. (Internet			
		94. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, Vol. 17, (2004), pp. 342-389. (Internet Publication Date: Aug. 6, 2003.)					
		93. Mills et al., "Energetic Catalyst-Hydroge Hydrogen," Doklady Chemisty, submitted.	en Plasma Rea	ction Forms a New State			
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	•		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

				T TO/OD/OOD (Modified		
Substitute for form 1449B/PTO			Complete if Known			
Substitute	2 10/ 10/11/1 1449B/F1O		Application Number	09/110,694		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	I DISCI OSLIDE	Filing Date	7/7/1998			
	First Named Inventor	Mills				
			Group Art Unit	1745		
	(use as many she	eets as necessary)	Examiner Name	Kalafut		
Sheet	36	of \$498	Attorney Docket Number			

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS			
Examine r Initials*	Cite No. '						
		99. Mills et al., "Energetic Catalyst-Hydrogo Source," Central European Journal of Physi 2003.)	en Plasma Rea ics, submitted.	action as a Potential New Energy (Internet Publication Date: June 6,			
		91. R. Mills, P. Ray, "New H I Laser Med Hydrogen and Certain Group I Catalysts," J	lium Based or . Plasma Phys	Novel Energetic Plasma of Atomic ics, submitted.			
		90. Mills et al., "Characterization of Energetic Catalyst-Hydroger Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003).					
		89. Mills et al., "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted.					
		88. Mills et al., "Role of Atomic Hydrogen Desity and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.) 87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Nydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted.					
		86. Mills et al., "Novel Spectral Series from Hellum-Hydrogen Evenson Microwave Cavity Plasmas that Metched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24,					
		85. Mills et al., "Highly Pumped Inverted Ba Physics, submitted.					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO			•	Complete if Known		
Substitute for form 1449B/PTO					Application Number	09/110,694
INFORMATION DISCLOSURE					Filing Date	7/7/1998
STATEMENT BY APPLICANT				First Named Inventor	Mills	
					Group Art Unit	1745
	(use as many sheets as necessary)			ecessary)	Examiner Name	Kalafut
Sheet	37	0	f	A 018	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r initials*	Cite No.	Item (book, magazine, journal, serial, symposit	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		64. Mills et al., "Companson of Balmer α Li Hydrogen Plasma Sources," Braz. J. Phys., 2003.)	ne Broadening submitted. (In	g and Power Balances of Helium- ternet Publication Date: March 12,				
		83. Mills et al., "Comparison of Water-Plasm Lyman Populations for a CW HI Laser," J. A	ma Sources of Appl. Spectroso	Stationary Inverted Balmer and copy, in preparation.				
		82. Mills et al., "Synthesis and Characteriza Energetic Argon-Hydrogel Plasma and Met (Internet Publication Date: May 7, 2003.)	ation of Diamoi thane," Journa	nd Films from MPCVD of an I of Materials Science, submitted.				
		81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet						
_		80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales D. La Fundation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jac. 27, 2003.)						
		79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.						
		78. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9 2002.)						
		77. Mills et al., "Water Bath Calorimetric St Plasmes," Journal of Applied Physics, Vol. 9 Publication Date: June 16, 2003.)	udy of Excess 96, No. 6, (200	Heat in 'Resonant Transfek' 4), pp. 3095-3102. (Internet				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known		
30030101	אטטטטנענפ וטו ווווטו ווווטו וטו אטטטטנענט דוווטו וטו אטטטטנענט			Application Number	09/110,694	
INI		ION DISCLOS	IIDE	Filing Date	7/7/1998	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as many sheets as necessary)			Examiner Name	Kalafut	
Sheet	38	of A	78	Attorney Docket Number		

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r initials*	Cite No.	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Mills et al., "Comparison of Catalysts a Emission of Fractional-Principal-Quantum-I Journal of Applied Spectroscopy, submitted	Energy-Level A	tomic and Molecular Hydrogen.				
		75. Mills et al., "Novel Liquid-Nitrogen-Con Polonica A, submitted. (Internet Publication						
		74. Mills et al., "Spectroscopic Study of Un Pressure Microwave Generated Water Plas (2005), pp. 877-78. (Internet Rublication Da	mas," Journal	of Plasma Physics, Vol. 71, Part 6.	·			
	•	73. Mills et al., "Energetic Helium Hydrogen Plasma Reaction," AIAA Journal, submitted. (Internet Publication Date: July 26, 2002.)						
		72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Propositions," Vacuum, submitted. 71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted. 70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," The European Journal of Applied Physics, submitted. (Internet Publication Date: Sept. 2, 2002.)						
		69. Mills et al., "Spectroscopic Characteriza Densities and Carbon Species During Heliu Diamond Films," Chemistry of Materials, Vo Date: Dec. 31, 2002.)	m-Hydrogen-M	Nethane Plasma CVD Synthesis of				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Complete if Known			
Subsuible	10110111111444457710		Application Number	09/110,694	
5 NI 1	EODMATION	I DISCLOSURE	Filing Date	7/7/1998	
		BY APPLICANT	First Named Inventor	Mills	
			Group Art Unit	1745	
	(use as many she	ets as necessary)	Examiner Name	Kalafut	
Sheet	39	of \$498	Attorney Docket Number		

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS					
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		68. Mills, et. al. "Stationary Inverted Balmer Plasma Laser." IEEE Transactions on Plasm August 16, 2002)							
		67. Mills et al., "Extreme Ultraviolet Spectro Vol. 36, (2003) pp. 1535–1542. (Internet Pr							
		66. Mills et al., "Spectroscopic Evidence fo submitted. (Internet Publication Date: Sept.	r a Water-Plas 19, 2002.)	ma Laser," Europhysics Letters,					
		65. Mills et al., "Spectroscopic Evidence for Highly Pumped Palmer and Lyman Populations in a Water-Plasma," J. of Applied Physics, submitted. (Interpet Publication Date: Sept. 18, 2002.)							
		64. Mills et al., "Low Power MPCVD of Diamond Frims on Silicon Substrates," Journal of Vacuum Science & Technology A, submitted. Deternet Publication Date: June 26, 2002.)							
		63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimatry," Thermochimica Acta, Vol. 406, Issue 1–2, (2003), pp. 35–53. (Internet Publication Date: June 25, 2002.)							
		62. Mills et al., "Synthesis and Spectroscop Inorganica Chimica Acta, submitted.	ic Identificatio	n of Lithium Chloro Hydride,"					
		61. Mills et al., "Highly Stable Amorphous S Cells, ol. 80, No. 1, (2003), pp. 1–20. (Inte	Silicon Hydride met Publicatio	, Solar Energy Materials & Solar in Date: April 15, 2002.)					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Complete if Known			
Subsului	Substitute for form 1449B/F1O			Application Number	09/110,694
181	EODMAT	ION DIS	CI OSLIDE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills
				Group Art Unit	1745
	(use as many sheets as necessary)			Examiner Name	Kalafut
Sheet	40	of	X498	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS	·			
Examine r initials*	Cite No. '							
		Mills et al., "Synthesis of HDLC Films fr Vol. 39, (2004), pp. 3309-3318. (Internet Po						
	9	59. Mills et al., "The Potential for a Hydroge Vol. 82, No. 11 (2003), pp. 1679–1681. (Int	en Water-Plasi ternet Publicat	ma Laser," Applied Physics Letters, ion Date: July 11, 2002.)				
		58. Mills, "Classical Quantum Mechanics," (Internet Publication Date: May 23, 2002.)	Physics Essay	rs, Vol. 16, (2903), pp. 433-498.				
		57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy						
		56. R. M. Mayo, R. Mills, "Direct Plasmadyn Electricity for Microdistributed Power Applic Cherry Hill, NJ, June 10-13, (2002), pp. 1-4	atio S." 40th A	Innual Power Sources Conference.				
		55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.) 54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504–1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts:						
		53. Mills A Maxwellian Approach to Quant Electrons in Superfluid Helium." Braz. J. Ph 2002)	um Mechanics ys, submitted.	Explains the Nature of Free (Internet Publication Date: June 4,				
Examiner Signature	4	/Stephen Kalafut/	Date Considered		•			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Con	nplete if Known	
		Application Number	09/110,694	
INI	EODMATIC	NI DISCLOSLIE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills
			Group Art Unit	1745
(use as many sheets as necessary)			Examiner Name	Kalafut
Sheet	41	of 4 9	Attorney Docket Number	r

v		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS					
Examine r initials*	Cite No. 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		52. Mills et al., "Bright Hydrogen-Light Soul Strootium and Argon Ions," New Journal of Publication Date: October, 2002)	rce due to a Re Physics, Vol. 4	esonant Energy Transfer with 1, (2002), pp. 70.1–70.28. (Internet					
		51. Mills et al., "CW HI Laser Based on a S Incandescent, Heated Hydrogen Gas with Plasma Science, Vol. 31, No. 2, (2003), pp. 2002.)	Certain Group	I Catalysts," IEEE Transactions on					
		50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195–213.							
		49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338–355.							
		48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066–2073. (Internet Publication Date: March 26, 2002.)							
		47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389.							
		Incandescently Heating Hydrogen Gas with	46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389–395.						
		45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Froduct of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.)							
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute for form 1449B/PTO		Com	plete if Known	
		Application Number	09/110,694	
INI	EODMAT	ION DISCLOSUE	Filing Date	7/7/1998
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Mills
			Group Art Unit	1745
	(use as mai	ny sheets as necessary)	Examiner Name	Kalafut
Sheet	42	of #98	Attorney Docket Number	

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS				
Examine r initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Mills, et. al. "Synthesis and Characteriz Journal of Hydrogen Energy, submitted. (In						
		43. Mills et al., "Substantial Changes in the Combining Argon and Hydrogen," New Jou 22.1–22.17. (Internet Publication Date: Dec	rnal of Physics					
		42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion, Hydrogen, Nitrogen, and Air," Int. J. Hydrogen Energy, Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.)						
		41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1–6.						
		40. Mills et al., "On the Potential of Direct and MHO Conversion of Power from a Novel Plasma Source to Electricity for Microdistribute Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.)						
		39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," J. Phys. Chem. A, submitted. (Internet Publication Date: Nov. 13, 2001.)						
		38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," Electrochimica Acta, Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.)						
		37. Mills et al., "Comparison of Excessive E Microv ave Hydrogen Plasmas with Certain No 12, pp. 7008–7022. (Internet Publication	Catalysts," J. o	of Applied Physics, (2002), Vol. 92,				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Cubathut	o for form 4.440D	IDTO			Сотр	lete if Known
Substitut	ubstitute for form 1449B/PTO				Application Number	09/110,694
181		ION F	Nec	LOCUDE	Filing Date	7/7/1998
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills
					Group Art Unit	1745
	(use as many sheets as necessary)			cessary)	Examiner Name	Kalafut
Sheet	43	0	f	808	Attorney Docket Number	

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS					
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Mills et al., "Emission Spectroscopic Ide Hydrogen Formed by a Catalytic Helium-Hy (Internal Publication Date: Oct. 9, 2001.)							
		35. Mills et al., "New Power Source from Fr Current Appl. Phys., submitted. (Internet Pu							
		34. Mills et al., "Spectrescopic Identification Atomic Hydrogen," J. of Quantitative Spectr Publication Date: Oct. 9, 2001.)							
		33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43–54. (Internet Publication Date: Oct. 10, 2001.)							
		32. Mills et al., "Spectroscopic Identification Atomic Hydrogen and the Hydride Ion Production (2002), pp. 927–935. (Internet Publication F	uct ont. J. Hyd	trogen Energy, Vol. 27, No. 9,					
		31. Mills et al., "Measurement of Energy Ba Plasmas Using Calvet Calonmetry," Int. J. F 978. (Internet Publication Date: Sept. 14, 20	lydrogen Ener	le Gas-Hydrogen Discharge gy, Vol. 27, No. 9, (2002), pp. 967–					
		30. Mills et al., "Measurement of Hydrogen Balances of Noble Gas-Hydrogen Discharg 6, (2002), pp. 671–685. (Internet Publication	Plasmas," In	t. J. Hydrogen Energy, Vol. 27, No.					
,		29. Mills et al., "Vibrational Spectral Emissi Hydrogen Molecular Ion," Int. J. Hydrogen E (Internet Publication Date: July 19, 2001.)	on of Fractions nergy, Vol. 27	al-Principal-Quantum-Energy-Level , No. 5, (2002), pp. 533–564.					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitut	te for form 1449B	/PTO			Сотр	lete if Known	
Jubstitut	G 101 101111 1449D	<i>ii</i> -10			Application Number	09/110,694	
INI	EODMAT	TION I	DIG	CI OSLIDE	Filing Date	7/7/1998	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills	
		_			Group Art Unit	1745	
	(use as ma	ny shee	ts as i	necessary)	Examiner Name	Kalafut	
Sheet	44		of	Xax	Attorney Docket Number		

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS					
Examine r Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		28. Mills et al., 'Spectral Emission of Fracti from a Helium-Hydrogen Plasma and the In Energy (2002), Vol. 27, No. 3, pp. 301–322	nplications for	Dark Matter," Int. J. Hydrogen	·				
		27. Mills, et al. "Spectroscopic Identification Atomic Hydrogen and the Hydride Ion Prodict, No. 2, (2002), pp. 183-192. (Internet Pu	uct", Internatio	nal Journal of Hydrogen Energy, Vol.					
		26. Mills, *BlackLight Power Technology-A Potential for Direct Conversion to Electricity Association, 12 th Annual U.S. Hydrogen M	" Proceedings	of the National Hydrogen					
		25. Mills, et. al. "Minimum heat of formation of Hydrogen Energy, Vol 26, 2001, pp. 1199 2001)							
		24. Mills, et al. "Stereoscopic Identification and the hydride ion product." <i>International</i> pp.1041-1058. (Internet Publication Date:	Journal of Hyd	rogen Energy, Vol. 26. 2001.					
		23. Mills et al., "Optically Measured Power Hydrogen, and Potassium, Rubidiam, Cesla Vol. 27, No. 6, (2002), pp. 651–670. (International Control of Control	ım, or Strontiu	m Vapor," Int. J. Hydrogen Energy,					
		22. Mills, "The Grand Unified Theory of Cla Inc. Orbis Scientifie entitled The Role of Att Cosmic Acceleration of Particles The Origin	ractive and Re	pulsive Gravitational Forces in					
		21. Mills, The Grand Unified Theory of Cla Energy, Vol. 27, No. 5, (2002), pp. 565–590	ssical Quantur	n Mechanics," Int. J. Hydrogen					
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Cubattiti	e for form 1449B/	DTO	•		Сотр	lete if Known
SUUSUUU	e 101 101111 1449B/	F10			Application Number	09/110,694
INI		ION I	niec	N OSLIDE	Filing Date	7/7/1998
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Mills
					Group Art Unit	1745
	(use as mar	ny sheet	s as ne	ecessary)	Examiner Name	Kalafut
Sheet	45		Of	X-98	Attorney Docket Number	

					•
		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS	
Examine r initials*	Cite No. 1	include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposiu publisher, city and	TERS), title of the um, catalog, etc.), d l/or country where p	ate, page(s), volume-issue number(s),	.T2
		20. Mills et al., "Argon-Hydrogen-Strontium Plasma Science, Vol. 30, No. 2, (2002), pp. 2000.	Discharge Lig 639–653. (Inte	ht Source," IEEE Transactions on ernet Publication Date: Dec. 7,	
		19. Mills et al., "Identification of Compound Magnetic Resonance Spectroscopy," Int. J. 979. (Internet Publication Date: March 22, 2	Hydrogen Ene	lovel Hydride Ions by Nyclear ergy, Vol. 26, No. 9, (2001), pp. 965–	
		18. Mills, "BlackLight Power Technology-A Direct Conversion to Electricity," Global For Warming and Energy Policy, Dr. Behram N	Indation Intern	ational Conference on *Global	
		17. Mills, "The Nature of Free Electrons in and a Basis to Review its Foundations and Hydrogen Energy, Vol. 26, No. 10, (2001), p. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	Make a Comp	rison to Classical Theory,* Int. J.	
·		16. Mills et al., "Excessively Bright Hydroge Resonance of Strontium with Hydrogen," J. (Internet Publication Date: Aug. 27, 2001.)	Strontium Pl of Plasma Phy	asma Light Source Due to Energy vsics, Vol. 69, (2003), pp. 131–158.	
•		15. Mills et al., "Observation of Extreme Ulf Heated Hydrogen Gas with Certain Catalys 919–943. (Internet Publication Date: June 2	ts," Int. J. Hydr	gen Emission from Incandescently ogen Energy, Vol. 25, (2000), pp.	
		14. R. Mills, "Observation of Extreme Ultray Produced by a Hollow Cathode Discharge," 579-592. (Internet Publication Date: July 10	Int. J. Hydroge	from Hydrogen KI Plasmas en Energy, Vol. 26, Vo. 6, (2001), pp.	
		13. Mills Temporal Behavior of Light-Emis K2CO2-H-Cell," Int. J. Hydrogen Energy, Vo Publication Date: July 10, 2000.)	ssion in the Vis ol. 26, No. 4, (2	ible Spectral Range from Ti- 2001), pp. 327–332. (Internet	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

O. I #4	- f f 4 440D	(DZO		Complete if Known
Substitut	e for form 14498/	PIO	Application Number	09/110,694
18.1		ION DISCLOSU	Filing Date	7/7/1998
• • •		NT BY APPLICA	First Named Invents	or Mills
			Group Art Unit	1745
	(use as mai	ny sheets as necessary)	Examiner Name	Kalafut
Sheet	46	of XC	2 Attorney Docket Nu	mber

		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS							
Examine r Initials*	Cite No.	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposiu publisher, city and		ate, page(s), volume-issue number(s),	T ²						
		12 Mills et al., "Formation of a Hydrogen P Catalyst Gas Mixture with an Anomalous Af No. 7, July, (2001), pp. 749–762. (Internet F	terglow Duration	on," Int. J. Hydrogen Energy, Vol. 26,							
		11. Mills et al., "Observation of Extreme Ult Heated Hydrogen Gas with Strontium that F Balance," Int. J. Hydrogen Energy, Vol. 26, Date: June 27, 2000.	Produced an Ai	nomalous Optically Measured Power							
		10. Mills et al., "Synthesis and Characteriza Hydrogen Energy, Vol. 25, Issue 12, Decem Date: Nov. 12, 2001.)	ation of Potass nber, (2000), p	ium lodo Hydride," Int. J. of p. 1185–1203. (Internet Publication							
		9. Mills. "Novel inorganic hydride." International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)									
		8. Mills et al., "Synthesis and Characterizat Hydrogen Energy, Vol. 26, No. 4, (2001), pp 2001.)	8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 839–367. (Internet Publication Date: June 13, 2001.)								
		7. R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54. (Internet Rublication Date: Nov. 20, 2001.) 6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," Fusion Technology, Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000).									
		5. Mills, "The Hydrogen Atom Revisited," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1171–1183. (Internet Publication Date: June 27, 2000.)									
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007							

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. .² Applicant is to place a check mark here is English language Translation is attached.

Cubathu	e for form 1449B/	PTO.		Complete if Known		
SUUSUUI	e ioi ioiin 1449b/			Application Number	09/110,694	
INI		ON DISCLOS	SUDE	Filing Date	7/7/1998	
		NT BY APPLIC		First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as mar	ny sheets as necessa	ry)	Examiner Name	Kalafut	
Sheet	47	of }	49R	Attorney Docket Number		

		OTHER PRIOR ART - NO	N PATENT LITERA	TURE DOCUMENTS				
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		4. Mills et al., "Fractional Quantum E No. 4, November, (1995), pp. 1697-						
***************************************		Mills et al., "Dihydrine Melecule k 1994). (Internet Publication Date: Ap		eshnelegy, Vol. 35, 103-119 (Jan.				
/SK/		Mills Technologies. "1KW Heat Exch	nanger System." Thern	nacore, Inc., Oct 11 1991, pp. 1-6				
		Mills Technologies. "1KW Heat Exch	nanger System." There	nacero, Inc., April 17, 1992, pp. 1 6				
/SK/		Mills, "Classical Quantum Mechanics	s." Physica Scripta, su	bmitted.				
/SK/		Mills, "The Grand Unified Theory of C Amazon Com.	Classical Quantum Me	chanics," (2001), Distributed by				
		Mille, et. al. "Excess Heat Production 65-81.	Oold Fusion." Fusio	n Fechnology, Vol 20, Feb 1991, pp.				
		Mills, et. al. Fusion Technol. Vol.20,	85 (1991). Internet Pu	bilcation Date 4/11/01				
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	<u></u>			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Subatitut	e for form 1449B/	PTO	Соп	plete if Known
O6138(U)	5 IOI IOIIII 14450/	FIU	Application Number	09/110,694
1NI	EODMAT	ION DISCLOSU	Filing Date	7/7/1998
		NT BY APPLICA	First Manage Investor	Mills
			Group Art Unit	1745
	(use as mai	ny sheets as necessary)	Examiner Name	Kalafut
Sheet	48	of XXQ	Attorney Docket Numbe	r

		<u> </u>			
		OTHER PRIOR ART — NON PAT	ENT LITERA	TURE DOCUMENTS	
Examine r initials*	Cite No. '	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposi publisher, city and	TTERS), title of the aum, catalog, etc.), didor country where p	ate, page(s), volume-issue number(s),	T ²
/SK/		Mills, "Author's response 'A possible trick (Energy, Vol 26, 2001, p. 1225.	of Hydride atom	'," International Journal of Hydrogen	
		Mills, "BLACKLIGHT POWER TECHNOLO	GY: A New Cle	an Energy Source with the Potential	
		for Direct Conversion to Electricity," Interna Policy, Ft. Lauderdale, Florida, November 2			
		Mills, "Hydro catalysis Power Technology,"	Statement of B	r. Randell L. Mills, May, 1993.	·
-		Mille, The Grand Unified Theory of Classic	al Quantum Me	chanics," pp. 1-9	
		Mills, "Unification of Spacetime, the Forces Corporation," 1992, pp. 53-84.	, Matter, Energ	y, Hydro catalysis Power	
		Mills, "Author's response to "Hydrino atom: Journal of Hydrogen Energy, Vol 26, 2001,	novel chemistry pp. 1233.	y or invalid physics!," International	
/SK/		Mills,"Author's response to 'Hydrino theory- Hydrogen Energy, Vol 26, 2001, pp. 1229-1	a proposed an	nendment'," International Journal of	
		Millo."Pewer Spectrum of the Geemie Miere	wave Backgrou	nd" BlackLight Power, Inc. 2001.	
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form 1449B/PTO		Complete if Known		
Substitute			Application Number	09/110,694	
INI	EODMATIO	N DISCLOSURE	Filing Date	7/7/1998	
\		BY APPLICANT	First Named Inventor	Mills	
			Group Art Unit	1745	
	(use as many sl	neets as necessary)	Examiner Name	Kalafut	
Sheet	49	of 3 498	Attorney Docket Number		

		OTHER PRIOR ART - NON I	PATENT LITERAT	TURE DOCUMENTS			
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Mills, "The Grand Unified Theory of Cla Power, Inc., pp. 433-440, 2001.	ecical Quantum Mo	ehanice," pp. 13-11, BlackLight			
				,			
					·		
,							
			· · · · · · · · · · · · · · · · · · ·		ļ		
Examiner Signature		/Stephen Kalafut/	Date Considered	11/14/2007			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

50 of 98

ATTACHMENT B

MASTER LIST OF CITED AND SUBMITTED DOCUMENTS

	U.S. Patent Document		Name of Patentee of	Date of Publication	
	Code*	Kind	Applicant of Cited Document	of Cited Document MM-DD-YYYY	
	Number	(if known			
	1,001,509		Hatfield	00-23-1911	
*********	2,708,656		Fermi	05-17-1055	
/SK/	3,253,884		Jung, et al.	05-31-1966	
_	3,207,484		Niedrach	01=10=1987	
	3,300,345		Lyons	81-24-1967	
_	3,350,422		Pelleek	12 10 1067	
	3,377,265		Gaeser	04-09-1988	
	3,448,035		Seriass	06-03-1969	<u> </u>
_	3,402,022		Cann et al.	08 1060	
	3,660,745		Becou	06-13-1972	<u> </u>
-	3,701,632		Lovelock	10 31 1972	
_	9,765,120		Herwig	08 28 1973	
	3,010,192		Brower	00-11-1974	<u>[</u>
-	3,835,019		Lovelock	09 10 1074	
	3,917,520		Katz	11-04-1975	
-	4,000,006		Enoley	12-1076	
	4,095,118		Rathbun	06-1978	
	4,149,931		Christonson	04 1070	
/SK/	4,155,712		Taschek	05-22-1979	
_	4,202,004		Anderson	05-1980	
-	4,265,720		Winetel	05-05-1081	
	4,274,938		Schulten	00-23-1981	
/SK/	4,327,071		Chiu	04-27-1982	1 .
-	4,337,126		Gilligan, III et al.	06 20 1082	}
	4,353,871		Bartilt, et al.	10-12-1982	
-	4,404,990		Bendler	08-14-1984	
-	4,487,070		Bellanger	12 11 1081]
_	4,488,490		Betts	12 18 1081	

/Stephen Kalafut/

,			
-	4,512,066	Nelson	04-23-1985
4	4,500,500	Asano	02 04 1986
_	4,664,904	Wolfrum	05-12-1987
_	4,694,766	Ibarra	10-22-1007
/SK/	4,702,894	Cornish	10-27-1987
_	4,737,249	Shepard Jr.	04-12-1988
_	4,774,065	Penzern	00-27-1088
4	4,792,725	Levy et al.	12-1988
/SK/	4,808,286	Angelo, II	02-28-1989
	4,923,770	Crasselli	05-08-1000
/SK/	4,957,727	Bogdanovic	09-18-1990
5	4,900,995	Pavelle	11-00-1990
	4,986,887	Cupta	01-22-1001
	- 5,245,729	Buxbaum	06-01-1993
	5,273,035	- Oemert	12-28-1003
	5,318,675	Petterson	06-07-1994
•		<u> </u>	12-13-1994
	5,372,688	Patterson	09-1995
	5,449,434	Hooke et al.	
	5,577,000	Moses	11-1006
SK/		Long, et al.	01-14-1997
_	5,660,075	Achtiani	00 1007
	5,761,481	Kadoch et al.	00-1990
SK/	5,789,744	Spence, et al.	08-04-1998
	5,801,071	Ohta	09-1998
-	5,810,073	Nakamura	10 1008
-	5,030,760	Moses	11 1008
	5,864,322	Pollon et al.	01-1999
-	5,883,005	Minton et al.	03 1000
	5,888,414	Collins et al.	03-1999
-	5,060,470	Druz et al.	10 1000
_	6,024,035	Mills, et al.	02-15-2000
-	0,004,154	Croush ot al.	05 2000
-	0,149,029	Takamatsu et al.	11-2000
-	6,150,755	Druz et al.	11 2000

	6,151,532	Barone et al.	11-2000	_
_	6,444,107	Collins et al.	00 2002	_}
	0,551,939	Takamatsu et al.	04-2003	+
_	6,679,465	Takamatau et al.	96-2003	_
K/	6,690,705	Maksimov et al.	02-2004	
	7,100,000	Milts	03 06 2007	_
K/	2001/0007725	Faris et al.	07-2001	
	2001/0000000	Takamatsu et al.	07 2001	4
	2002/0133326	Chung et al.	00 3003	4

	Foreign Patent Docu	ument	Name of	Date of Publication of Cited Document	
Office	_	Code ⁵ nown)	Patentee or Applicant of Cited Document	MM-DD-YYYY	
wo	90/10935	A1	Pons	00 20 1000	
WO	90/13120	Al	Mills	11-01-1990	
wo	99/14668	<u> </u>	Gravene	11 20 1000	
WO	91/01036	A1	Dufour	01-24-1991	
WO	01/08573	Λ1	Buch	06-13-1901	
WO	92/10838	A1	Wills	00-25-1992	
₩ O	93/17437	<u> </u>	Bush	00-02-1003	
WO	04/10688	Λ1	Dufour	05-11-1994	
wo	94/14103	A1	McKubre	00-23-1994	
₩0	94/19342	A1	McKubre	07-07-1994	
WO	94/29873	A2	Mills	12-22-1994	
8	95/20816		Piantelli	08-03-1995	
¥	96/42085	<u> </u>	Mills	12 27 1006	
wo	99/05735		Mills	03-04-1999	
WO	99/20070	A1	Mills	5 27 1000	
wo	99/34322	<u> </u>	Mills	7-8-1999	
wo	99/35698	∨3	Mills	07-15-1999	
wo	00/07991	A1	Mills	02 17 2000	
wo	00/07932	Α2	Mills	2-17-2000	
WO.	00/25320	<u> </u>	Davios	05,04 2000	

53 of 98

wo-	01/095944		Mills	12-20-2001	
wo-	01/18048	Λ1	Mills	3 15 2001	
wo-	01/21300	Δ2	Mills	03-29-2001	
wo-	01/22472	<u>^2</u>	Mills	3 20 2001	
WO-	01/70627	A3	Mills	08 27 2001	
WO-	02/08707	A2	De Geus	01-01-2002	
wo	02/007291	A2	Mills	10-31-2002	
wo-	02/088020	A2	Mills	11-7-2002	
wo	02/16956	A1	Mills	2-20-2002	
wo_	03/003173	A2	Mills	11-13-2003	
WO-	03/080510	A2	Mills	6-14-2003	
WO	04/092058	<u></u>	Mills	10-28-2004	
wo-	05/041368	Λ2	Mille	10 6 2005	
wo	05/067676	A2	Mills	7-20-2005	
wo-	2005/116630	A1	Mills	12-00-2005	
₩	2007/051070	A1	Mills	05-03-2007	
WO	2007/053486	A1	Mills	05-10-2007	

Foreign Patent Document Kind Code ⁵ Office ³ Number ⁴ (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵	
ΕP	0-306-066	A2	Mateuchita-Electric	10-31-1000		
.IP	53-134792		Ind. Res. Inst. Of Japan	11-24-1978		×
JP	50-130044		Hitachi	03-20-1900		×
GB	2 343 201		Lloyd Wise, Tregear & Co.	05-13-2000		
-3P	2002000092A		Chimazu	01 2003		

/SK/

Abdallah, et. al. "The Behavior of Nitrogen Excited in an Inductively Coupled Argon Plasma." *J. Appl. Phys.*, Vol 88, No 1, July 2000, pp. 20-33.

Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Holo Contors in Alkali Halides-'Color Centers'." Optical Properties of Solids, 1972, pp. 718-754.

	Abramova, et. al."Tornado-type closed magnetic trap for an electron cyclotron resonance ion source." Review of Scientific Instruments, Vol 71, No 2, February 2000, pp. 921-923.
Η	Albagli, et. al. "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Gells Having Pd Gathodes." Journal of Fusion Energy, Vol 9, No 2, June 1990, pp. 133-148.
	Alber, et. al."Search for Neutrons from Gold Nuclear Fusion." Z. Phys. A Atomic Nuclei, Vol 333, 1989, pp. 319-320.
	Alessandrello, et. al. "Search for Cold Fusion Induced by Electrolysis in Palladium." <i>Il Nuovo Ciment</i> o, Vol 103A, No 11, November 1990, pp. 1617-1638.
•	Alger et al. "F Centers in Rure and Hydride Centaining Alkali Halide erystale." Physical Review, Vol 97, January 15, 1955, pp. 277-287.
7	Arrken: "Mathematical Methods for Physicists." 2nd Ed. Academic Press, New York 1970, pp 413-415
	S. Aarenson, "Hydrine Theory: Which Overturns Quentum Theory, Is in Turn Overturned by Deefusine—Theory," http://www.scottaaronson.com/writings/doofusino.html
_	Associated Press. "Panel Opposes Cold Fusion Efforts." The Washington Post, July 13, 1989, p. A14.
_	Associated Press. "Penncylvania CompanyCold Fusion Mystery." Lexis Nexis Reprint, 1991:
	Associated Press. "Physicist: Utah Cold Fusion Goar Doosn't Work." The Washington Post, March 29, 1990, p. A3.
	"Atomic Physics Progress Report 1995-1996" (internet page) atompc2.fysik.lth.se/AFDOCS/Progrep956/contents.asp (author and date unknown)
	"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)
	Baard, Erik. "The Empire Strikes Back." The Village Voice, April 26 May 2, 2000
	Board, Erik. "Quantum Loop." The Village Voice, Dec 22-28, 1000.
	Board, Erik. "Researcher Claims Power Toch That Defice Quantum Theory." Dow Jones Newswires, Oct 6, 1999.
	Baard, Erik, "Hydrino Theorist Gets Nod From NASA Funded Investigation Eureka?", The Village Voice, Dec. 6, 2002
ŀ	Baard, E. (1999) Dow Jones Newswires, October 6 reprint
	Balke, st. al. "Limits on Neutron Emission From 'Gold Fusion' in Metal Hydrides.", Physical Review 6, Vol 42, No 1, July 1990, pp. 30-37.
H	Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) atompc2.fysic.lth.se/AFDOOS/Progrep956/5al.htm (Atomic Physics Progress Report) (1995-1996)
Ļ	Barth, "Bigger Than Fire?", Gale Group Magazine DB, The Gale Group, 2000, Skeptic, Vol. 8, No. 4, (2001)
	Barton, et al, "Investigating Radio-Frequency Plasmae Used for the modification of Polymer Surfaces." J. Phys. Chem. B, Vol 103, 1999, pp. 4423-4430.

L	Beiser, A. Concepts of Medern Physics, Fourth Edition, McGraw Hill Book Company, New York, 1978; p. 407.
	Benetskii, et. al. "An Attempt to Observe Oold Thermonuclear Fusion in a Condensed Medium." Nuclear Research Institute, AS USSR, May 1989, pp. 75-78.
-	Besenbacher, et. al. "Scarch for Gold Fusion in Plasma Charged Pd D and Ti D Systems." Journal of Fusion Energy, Vol 9, No 3, September 1990, pp. 315-317.
	Best, Ben. "The Cepenhagen Interpretation of Quantum Mechanics." (internet page) www.benbest.com/science/quantum.html. (no date listed)
	Dethe, et. al. "Quantum Mechanics of One and Two Electron Atoms." <i>Cornell University</i> , Plenum Publishing Com., NY, 1977, pp. 2, 9-12, 47, 83-84, 92, 107.
	"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bullitin 09/29/2006, http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD-2737&PAG=461&dept_id=57636&rfi=6
_	Bishop. "It ain't over til it'e over Cold Fusion." Popular Science, Aug 1993, pp. 47-51.
_	Bishop, "More Labs Report Cold Fusion Results," Well Street Journal, Oct 19, 1992.
-	Bjerken et al., ""Relativistische Quantenmechanik", Die Dirac Gleichung, pp. 22-25, 1964
	"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)
	BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6
	Blacklight Power, Inc., "Second Shareholder Newsletter '97" http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html
	Blochinzew, Grundlagen Der Quantenmechanik, Veb Deutscher Verlag Der Wissenschaften, 1967
	Blue. "Gold Fusion Lies 9." Deja News on the Internet, April 13, 1997, pp. 1-2, available at http://x7.dejanew/us.com.
	Blue, "Randell Mills' Sells Pet Shards." Deja News on the Internet, April 30, 1997, pp. 1-2, available at http://x7.dejanew/us.com.
	Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge; overview of relevant processes and some qualitative explanations." Journal of Analytical Atomic Spectrometry, March 2000.
l	Bornface, et. al. "Calorimetry for a Ni/K₂CO₃ Cell." AEOL Research, June 1994.
	Bosch, et. al. "Electrochemical Cold Fusion Trials at IPP Carehing." Journal of Fusion Energy, Vol 9, No 2, June 1990, pp. 165-186.
l	Buston Globe., "Successful nuclear fusion experiment by the Italians." Wednesday, April 19, 1909.
	Breaton. "Ridiculously Easy Test Yields Claim of Energy Triumph." The Washington Times, March 24, 1989, p. A5.
	Bradford: "A Galorimetrio Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.
	Briars, "Critique of New Energy, New Physics." 7 segments, Doja News on the Internet, March 9, 1989;

/Stephen Kalafut/

Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L. Dr. Mills (Internet page) nip://www.amazon.com/gp/product/productdescription/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown) Broad. "2 Teams Put New Life in Cold Fusion Theory." New York Times, April 26, 1991, p. A18. Broad, "Cold Fusion Claim is Faulted on Ethics as Woll on Science," The New York Times, March 1991, pp. 1 and 30. Brodowsky, "Solubility and diffusion of hydrogen an deuterium in Palladium and Palladium Alloys," Tech. Bulletin, Englard Indust., Vol. 7, No. 1-2 (1966), pp. 41-50. Browne, "Fusion Claims is Greeted With Searn by Physicists," The New York Times, May 3, 1989, pp. A1 and A22. Browne. Physicists Put Atom in 2 Places at Once. The New York Times. Buch. "A Light Water Excess Heat Reaction Suggeste That 'Cold Fusion' May Be 'Alkali Hydrogen Fusion'." Fusion Technology, Vol 22, Sept. 1992, pp. 301-322. Bush, et. al. "Helium Production During the Electrolysis...Experiments." J. Electroanal Chem., Vol 004, 1991, pp. 271-278. Bush, et. al. "Helium Production During the Electrolysis... Experiments." Preliminary Note, Univ. of Texas, pp. 1-12. Buch, et. et. "Pewer in a Jar; the Debate Heats Up." 88 Bus, Week, Science & Technology, Oct. 26. 1992. Carolina, et al. Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas. J. Phys. Chem., Vol 100, 4990; pp. 17866-17872. Catlett, et: al. "Hydrogen transport in lithium hydride ac a function of prossure." The Journal of Chemical Physics, Vol 58, No 8, April 1978, pp. 3432-3438 (April 1978). /SK/ | Chapline. "Cold Confusion." UCRL-101583, July 1989, pp. 1-9. Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm "The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem/tepiereview/bp/eh10/group7.html Chien, et. al. "On an Electrode...Tritium and Helium." *J. Electroanal Chom.*, 1992, pp. 199-212. CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandecently Heated Hydrogen Gas with Strontium that Produced an Anemalous Optically Measured Power Balance," Int. J. Hydrogen Energy 26 (4) 2001, pg. 309-326 http://citeseer.ist.psu.edu/comntext/1749692/449101> Clark, et. al. "Excess Energy Oell Final Report." April 1995. Glose: "Too Hot to Handle-The Race for Gold Fusion." Princeton University Press, 1989. Collins, "Selling the Free Lunch," Scientific American, (Nov. 2002) Condon, et. al. "The Theory of Atomic Spectra." MacMillan Company. New York: 1995. pp. 44-78, 112-146. Conrade, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in à Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted.

11/14/2007

Conversion Table cgs/Si-Units. www.plasmaphysics.org.uk/convers.htm

Cooke. "ORNL/FTR-3341." July 31, 1989, pp. 2-15.

Cribie et. al. "Conventional Sources of Fast Neutrons in Cold Fusion Experiments." *Physics Letters B*, Vol 228, No 1, September 7, 1989, pp. 163-166.

Criddle. "The Roles of Solution...Excess Heating." Electrochemical Science & Technology Gentre, Univ. of Ottawa.

Cvetanovic et. a. "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen." Journal of Applied Physics 97. 18 January 2005.

Datz, et. al. "Molecular Association in Alkali Halide Vapors." Journal of Chemical Physics, Vol 34, No 5, Feb. 1961, pp.558-564.

Dagani. "Cold Fusion believer turns skeptic crusades for more rigorous research." *C&EN Washington*, June 5, 1995, pp. 34-45.

Dagani "Cold Fusion-Utah Pressures Pons, Fleischmann." C&EN, Janyary 14, 1991, pp. 4-5.

Dagani. "Latest Cold Fusion Results Fail to Win Over Skeptics." C&EN, June 14, 1993, pp.38-40.

Dagani. "New Evidence Claimed for Nuclear Process in 'Cold Fusion'." C&EN Washington, April 1991, pp. 31-33.

Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KCI Crystals Containing U-Centers." *Phys. Rev.*, Vol 104, Nov 1, 1956, pp. 599-604.

Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Oate unknown)

Dery et. al. "Effect of Dielectric constant, Cavities in Series, and Cavities in Parallel on the Product Description of the Oligomerization of Methane via Microwave Plasmas." *Journal of Physical Chemistry* 1996, Vol. 100. July 8, 1996. pp. 17866-17872.

Directory: Blacklight Power, From PESWikt "A Top 100 Energy Technology," http://peswiki.com/index.php/Directory:blacklight_Power

Dötsch et al. "Localized Vibrations of A and D lons in NaF and Lik" Solid States Communications, Vol 3, 1965, pp. 297-298.

Dufour, et. al. "Interaction of Palladium/Hydrogen and Palladium/Deuterium to Measure the Excess Energy Per Atom for Each Isotope." Fusion Technology, Vol 31, March 1997, pp. 198-209.

Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." *Nature*, Vol 395, September 3, 1998, pp. 33-37.

"Earth Tech's Campaign to Replicate one of BlackLight Power Excess Heat Results." December 20, 1997 available at www.eden.com/~little/blp/prelim.html, pp. 1-41.

EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html

EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html

"Attempt to Observe Excess Heat in a Ni-H2O-K2CO3 Electrolysis System-9OCT97"

Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & Number 40150, March 1994, available at http://www.cea.com/inst.htm#esca2.

Evans Analytical Group, http://www.cca.com/tech.htm#esca1

Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.

EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Anaylsis (ESCA). (no date or author listed)

Dr. Ess "History and Philosophy of Science," www.drury.edu/ess/philsci/bell.html

E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated

Ewing, et. al. A sensitive multi-detector neutron counter used to monitor cold fusion experiments in an underground laboratory; negative results and positive artifacts." *IEE Transactions on Nyclear Science*, Vol 37, No 3, June 1990, pp. 1165-1170.

"Experimental Verification by Idaho National Engineering Laboratory." pp. 13-25.

Faller, et. al. "Investigation of Cold Fusion in Heavy Water." J. Radioanal. Nucl Chem. Letter, Vol 137, No 1, August 21, 1989, pp. 9-16.

Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", Surface and Interface Analysis, 34:703-707, 2002

Feynman, et al. "The Feynman Lectures of Physics Vol. III: Quantum Mechanics." Adison-Wesley Publishing Co., 1965 pp. 1-9, 206, 19-1 through 19-18.

Fine, Arthur. "The Shaky Game: Einstein Realism and the Quantum Theory." 2nd Ed. *The University of Chicago Press*, 1986, pp.64-85.

Fischer. "Die optische Absorption der U₂-Zentren in Alkalitalogenidkristallen", Zeitschrift für Physik, Vol. 131, 1952, pp. 488-504.

Fischer et al. "Sh", S' Und S'Zentren In KC1-Kristallen." Physics Letters, Vol 13, Oct. 27, 1964, pp. 113-114.

Fischer. "Die optische Absorption der U₂-Zentren in Alkalihalogeniden des BaCl-Typs," Zeitschrift für Physik, Vol 204, 1967, pp. 351-374.

J. Flemming, et. al. "Calorimetric Studies of Electrochemical Incorporation of Hydrogen Isotopes into Palladium," J. of Fusion Energy, Vol. 9, No. 4 (Dec. 1990), pp. 617-524.

Fozza, et. al. "Vacuum ultraviolet to visible emission from hydrogen plasma: Effect of excitation frequency." *Journal of Applied Physics*, Vol 88, No 1, July 2000, pp. 20-33.

Fried et al. "Solution for the Two Electron Correlation Function in a Plasma." The Physical Review, Vol. 122, Apr. 1, 1961, pp. 1-8.

Fritz. "Anionlücken und Zylschengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen." J. Phys. Chem. Solids, Vol 23, 1962, pp. 375-394.

Fritz, "Infrared Absorption and Anharmonicity of the U-Centre Local Mode," Phys. Stat. Sol., Vol. 11, (1965) pp. 231-239

M. Fowler, "The Corentz Transformation," UVa Physics 252, http://galileo.ghys.virginia.edu/classes/252/lorentztrans.html>

Fuchs and Feres. "Quantum Theory Needs No 'Interpretation'." Physics Today, March 2000 p. 70.

Fujimoto, et. al." Ratio of Balmer line intensities resulting from dissociative excitation of molecular hydrogen in an ionizing plasma." *J. Appl. Phys.*, Vol 66, No 6, Sept. 1989, pp. 2315-2319.

Fusion Digest, "Cold Nuclear Fusion Bibliography," 1993.

Fusion Digest, "Heat? Neutrons? Charged Particles?," 1993.

Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate."
Thermacore, Inc.

Gottlived, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgitaf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html, 2002

Gulyaev "Sigantic Atoms in Space" (internet page)

www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm (date_inknown)

Hadfield. "Lukewarm reception for Japanese cold fusion." New Scientist, October 31, 1992, pg. 10.

Hajdas, et. al. "Search for Cold-Fusion Events." Solid State Communications, Vol 72, No 4, 1989, pp. 309-313.

Hansen, et. al. "A response to hydrogen +oxygen recombination and related heat generation in undivided electrolysis cells." *J. of Electroanalytical Chemistry*, Vol 447, 1998, pp. 225-226. (Paper III)

Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells." J. of Physical Chem., Vol. 99, No. 19 (1997) pp. 6973-6979 (Paper I).

Hansen, et. al. "An assessment of claims to 'excess heat' in 'cold fusion' calorimetry," Thermochimica Acta, Vol. 297 (1998) pp. 7-15 (Paper N).

Hardy, et. al. "The Volatility of Nitrates and Nitrites of the Alkali Metals." Journal of the Chemical Society, 1963, pp. 5130-5134.

The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." http://www.the-crimson.com/printerfriendly.aspx?ref=100939>

Haus. "On the radiation from point charges." American Journal of Physics, Vol 54, No 12, December 1986. Pp. 1126-1129.

Hayashi, Shigenobu. "Accurate determination of ¹H Knight shifts in Mg₂NiH_x and MgH_x by means of high-speed magic angle spinning." *Journal of Alloys and Compounds*, Vol 248, 1997, pp. 66-69. (Paper A)

Hayashi, et. al. "¹H NMR and magnetization measurements of a nanostructured composite material of the Mg₂Ni-H system synthesized by feactive mechanical grinding." *Journal of Alloys and Compounds*, Vol 256, 1997, pp. 159-165. (Paper B)

Hayashi, et. al. "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by ¹H and ² H nuclear magnetic resonance," J. of Alloys and Compounds, Vol. 261, (1997), pp. 145-149 (Pape C).

He-II in Solar Spectrum

Heisenberg, W. "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik." Zeitschrift für Physik, Vol 43, 1927, pp. 172-198.

Heitler, W. "The Quantum Theory of Radiation." 3rd Ed., *University of Zürich*, Dover Publications Inc., NY, 1984, pp. 104.

Henderson, et. at. "More Searches for Cold Fusion." *Journal of Fusion Energy*, Vol. 9, No. 4, Oec. 1990, pp. 475-477.

Hilson. "Eine neue Lichtabsorption in Alkalihalogenidkristalle." Fachgruppe II, pp. 322-328.

Hisch. "Über die Diffusion und Reaktion von Wassestoff in KBr-Kristallen." *Annalen der Physik*, Vol 40 1937, pp. 407-720.

Milts. "Significant Errors Reported in Utah Fusion Experts." The Washington Post, May 2, 1989, pp. A and A7. Hine "Scientific Mistakes: N-rays and Polywater", Pseudoscience and the Paranormal, Prometheus Books, 1988, pp. 8-13 Hodoroaba et. al."Investigations of the effect of hydrogen in an argon glow discharge." J. of Analytical Atomic Spectrometry, www.rsc.org/ei/ja/2000/B0023671/ (1 of 14), August 4, 2000. Hollander, et. al "Vacuum ultraviolet emission from microwave plasmas of hydrogen apd its mixtures with helium and oxygen." J. Vac. Sci. Technol., A12 (3), May/June 1994, pp.879-882 Horanyi. "Some Basic Electrochemistry and the Cold Nuclear Fusion of Deuterium." J. Radioanal. Nucl. Chem. Letters, Vol 13 No 1, August 21, 1989, pp. 23-28. http:/omm.hut.fi/optics/l o2004/luennot/spectroscopy.pdf http://hyperphisics.phy-ast.gs&edu/hbase/kinetic/molke.htm Huizenga. "Abstract from 'New developments in the cold fusion saga'." Abstracts of papers of the American Chemical Society, Vol 287, March 13, 1994, pg. 6. Huizenga. "Cold Fusion." C & EN, Vol 70, July 20, 1992, pg. 3. Huizenga. "Cold Fusion Labeled Fiasco of the Century." Forum for Applied Research and Public Policy. Vol 7, No 4, pp. 78-83. Huizenga. "Cold Fusion-The Scientific Fiasco of the Century." Oxford University Press, 1993. "Hydrino Theory," http://en.wikipedia.org/wiki/hydring_theory "The Hydrogen Atom," http://www.physics.nmt.ex01/~raymond/classes/ph13xbook/node208.html> Hydrogen News 1999 http://www.ch2bc.org/bufletin/bufletin19991112.htm INRS-Energie at Materiaux XPS facility, http://goliath.inrs-eger.uquebec.ca/tour/ "Italy-Cold Fusion & Judge's Verdict," (1996), pp. 1-3, available at http://www.padrak.com/ine/cflibel.html The Internet Encyclopedia of Philosophy, "Logical Positivism," http://wiep.utm.edu/logpos.htm Jackson, John David. "Classical Electrodynamics." 2nd Ed., University of California, Berkley, John Wiley and Sons, 1975, Ch. 14 Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, E& &G Idaho, Inc., Nov 1993. Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997. Jeffreys, et al. "Methods of Mathematical Physics." Cambridge, England, 1950, pp.618 Johansson, et al. "A Model for the origin of the anomalous and very bright UV lines of Fall in gaseous condensations of the star η Carinae" Astronomy & Astrophysics. Volume 378 (2001) pp.266-278. Jones. "Lurrent Issues in Cold Fusion ... Particles." Surface and Coatings Technology, Vol 51, pp. 288-289. Jopes, et. al. "Examination of Claims of Miles ... Experiments." J. Phys. Chem., 1995, pp. 6966-6972 Sones, et. al. "Faradaic Efficiencies ... Cells." J. Phys. Chem., 1995, pp. 6973-6979.



Jones, et. al. "Serious Flaws in Patterson (SOFE '95)Demo on Cold Fusion." available at http://x7.dejanews.com, October 1995.

Joyce, et. al. "Ion Distribution functions in an Ar-CI ECR Discharge." Plasma Sources Sci. Technology Vol 9, 2000, pp. 429-436.

Judge, "SHE-2 Latest Solar EUV Measurements"(internet page) www.usc.edu/dept/space_science/seh2data.htm, August 18, 1997

Ivanco, et. al. Calorimetry For a Ni/K₂CO₃ Cell." AECL Research, June 1994.

Kahn. "Confusion in a Jar," Nova, 1991.

Karabut, et. al. "Nuclear Product...Deuterium." Physics Letters A170, 1992, pp. 266-272.

Karplus and Porter. Atoms and Molecules: An Introduction for Students of Physical Chemistry, The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 3, 118-123.

Karplus and Porter. Atoms and Molecules: An Introduction for Students of Physical Chemistry, The Benjamin/Cummings Publishing Company, Menlo Park, California, 1979, p. 567.

Kawai, et. al. "Electron temperature, density, and metastable-atom density of argon electron-cyclotron-resonance plasma discharged by 7.8, 8.0, and 9.4 Ghz microwaves." *J. Vac. Sci. Technol. A*, Vol 18, No 5, Sep/Oct 2000, pp. 2207-2212.

Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."

Kerkhoff. "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristalle." Zeitschrift für Physik, Vol 158, 1960, pp.595-600

Kerkhoff et al. "Elektronenspin-Resonanz und Photechemie des U₂-Zentrums in Alkalihalogenid-Kristallen." Zeitschrift für Physik, Vol 173, 1963, pp.184-202.

Klein. "Attachments to Report of Cold Fusion Jesting." Old Fusion, No 9, pp. 16-19.

Kleinschrod. "Photochemische Zersetzung von KH und KD in KBr-Kristallen." Ausgegeban, Jan. 5, 1939, pp. 143-148.

Kleppner, et. al. "One Hundred Years of Quantum Physics." SCIENCE, Vol 289, Aug 2000, pp. 893-898

Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.

Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." Journal of Chemical Physics, Vol 41, No 12, Dec 1964, pp. 3663-3673 (Paper I).

Kolos, et. al. "Accurate Electronic Wave Functions for the H₂ Molecule"." Reviews of Modern Physics, Vol 32, No 2, April 1980, pp. 219-232.

Kolos, et. al. "Improved Theoretical Ground-State Energy of the Hydrogen Molecule". *Journal of Chemical Physics*, Vol 49, No 1, July 1968, pp. 404-410 (Paper II).

Kovacevic et al. "The Dynamic Response of the Plasma on the Dust Formation in Ar/C₂P₀ RF Discharges International Conference on Phenomena in Ionized Gases available at http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1. (no date listed)

Kreig "Mydrinos: A state below the ground state" (internet page) www.phact.org/e/x/hydrino.htm and http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm (date unknown)

Kreysa, et. al. "A Critical Analysis of Electrochemical Nuclear Fusion Experiments." *J. Electroanal. Chem.*, Vol 266, 1989, pp. 437-450.

Kuhn, H.G. "Atomic Spectra." Academic Press. New York. 1962. pp. 114-117. Kuralca, et. al. Line Shapes of Atomic Hydrogen in a Plane-Cathode abnormal glow discharge. Physical Review A, Bol. 46. No 7, October 1992, pp. 4429-4432. Kurunczi, et. al." Excimer formation in high-pressure micro hollow cathode discharge plasmas in helium initiated by low-energy electron collisions," International Journal of Mass Spectromatry, Vol. 205, 2001. pp. 277-283. Kurunczi, et. al."Hydrogen Lyman-α and Lyman-β emissions from high pressure micro hollow cathodo discharges in Ne-H2 mixtures" J. Phys. B: At. Mol. Opt. Phys., Vol 32, 1999, pp. L651-L658. Kurtz. et. al. "Report on Calometric Investigations of Cae Phace Catalyzed Hydrine Formation." Hydrocatalysis Power Corp. Report, December 1996. Labov, "Spectral Observations...Background," The Astrophysical Journal, Vol 371, April 20, 1991, pp. 810-819. F. Laloe, "Do we really understand quantum mechanics?" Am. J. Phys., vol. 69(6), (June 2001), pp. 655-701. Leggett, et. al. "Exact Upper Bound...'Oold Fusion'*." Physical Review Letters,* Vol 63, No 2, duly 1909. pp. 190-194. "Lohigh X. Ray Photocloctron Spectroscopy Report." December 8, 1993. earches for Low-Temperature Nuclear Fusion of Deuterium in Palladium " Nature Vol 340, August 17, 1989, pp. 525-530. "The Linear Otark Effect," University of Texas Leture, http://farside.ph.utexas.edu/teaching/qm/pertubation/node8.html <u> Luggenhelscher et al., "Investigations on Electric Field Distributions in a Microwave Discharge In</u> Hyrdogen", available at http://www.phys.tue.nl/fitdd/luggenhoelscher.pdf (date unknown) Lüpke. "Über Gensibilisierung der shetochomischen Wirkung in Alkalihalogenidkristallen." Annalon der Physik, Vol 21, 1934, pp. 1-14. Luque et. al. "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the Hα and Hβ lines." Journal of Physics B: Atomic, Molocuk and Optical Physics, Vol. 36. 2003. pp.1573-1584. Litty. "Über Die Natur Der V. Zentren in Strahlungsverfählem KOOI." J. Phys. Chem. Solids, Vol 23, 1962, pp. 677-681. Maly, et. al. "Electron Transitions on Deep Dirac Levels I." ANS Reprint, Fusion Technology, Vel 24, Nov. 1993, pp. 307-318. Marchese et. al. "The BlackLight Rocket Engine." Phase I Final Report, Rowan University: Classboror, NJ. May1 November 39, 2002, available at www.niae.usra.edu/filos/studios/finalrepert available at http://engineering.rowan.edu/~marchese/. Margenau, et. al. "The Mathematics of Physics and Chemistry." D. Van Nostrand Yalo University, 1940, pp. 77-79. Martienssen, "Photochemische Vorgänge in Alkalihalogenidkristallen." Zeitschrift für Physik, Vol. 131 1952, pp. 488-504. "Material Hardness," http://www.calco.umd.edu/general/facilities/hardness Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", IEEE Transactions on Plasma Science, submitted.

/Stephen Kalafut/

	uarrie. "Quantum Chemistry" University Science Books: Sausalito, CA. 1983 Sections 4-3, 6-4 8-5 - 8-6 and pp. 221-222.
derri	aman, et. al., "An attempted replication of the CETI Cold Fusion Experiment." published on the net, May 1, 1997, available at www.math.ucla.edu/~barry/CF/CETIX.html , pp. 1-17.
vierz	bacher, Eugen." Quantum Mechanics." 1901, p. 198.
viess	siah, Albert. "Quantum Mechanics." <i>Rutgers-The State University</i> , Vol 1, 1950, p. 190.
	enbroeks, et. al. "The argon-hydrogen expanding plasma: model and experimente." <i>Plasma</i> ces <i>Sci Technol.</i> , Vol 4, 1995, pp. 74-85.
	enbrocks, et. al. "Influence of molecular processes on the hydrogen atomic system in an nding argon-hydrogen plasma." <i>Phys. Plasmas</i> , Vol 2, No 3, March 1995, pp. 1002-1008.
Miles	et. al. "Gerrelation of ExecosPalladium Cathodes." J. Electroni. Ohem., 1993, pp. 99-117.
villes	et. al. "ElectrochemicalPalladium Deuterium System." <i>J. Electroanal Chem.</i> , 1990, pp. 241-25
Miles	et. al. "Heat and HeliumExperiments." <i>Conference Proceedings</i> , Vol 99, 1991, pp. 309-972.
Miles Wea _l	o, et. al. "Search for Anomalous Effects Palladium Cathodes." Naval Air Warfare Center pons Division, Proceedings of 3 rd Int. Conf. on Cold Fusion, Nagoya, Japan, Oct. 1992, pp. 21-25
Mille	r. "Memo from Bennett Miller to Dr. Robert W. Bass." October 9, 1997, pp. 1-10.
	elly, et. al. "Analysis of the Published Colorimetric Evidence for Electrochemical Fusion of erium in Palladium." Science, Vol 246, No 4931, November 10, 1989, pp. 793-96.
	roc, et. al. "A Schrodinger Gat Superposition State of an Atom." Science, Vol 272, May 24, 1006, 131-1101.
Morr	ison. "Cold Fusion Update No. 12, ICCPG." Jan 17, 1997, available online at "www.ckypoint.com
Morr to bo	ison. "Comments on claims of excess ontholpy by Fleischmann and Pene using simple selle mad iil." <i>Physics Letter A</i> , Vol 185, February 28, 1994, pp. 498-502.
	ison. "Review of Progress in Gold Fusion." <i>Transactions of Fusion Technology</i> , Vel 26, Dec 1004 18-55.
Morr	ison, "Review of Cold Fusion," Sov. Phys. Usp. 34, December 1991, pp. 1055-1069.
Morr http:/	ison, "Gold Fusion Update No. 10," dated ∧pril 1, 1995, available at //www.skypoint.com/members/slogajan/files/morrison.txt, pp. 1-8.
	se, et. al. "Methods of Theoretical Physics," Part I, McGraw-Hill Book Co., Massachusetts Institute echnology, Part 1: Chapters 1-8, 1953, pp. 808-903.
	rs, et. al. "Search for Gold Fusion at B/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy,</i> 9, No 3, pp. 30-37, 1990.
	tiers of Fundamental Physics Plenam Fress. New York, 1994 pp. 591-596, Warxiv.org/ftp/physics/papers/0103/0103006.pdf

11/14/2007

Niedra. "Replication of the Apparent Excess Heat Effect in Light Water ... Cell." NASA Technical Memorandum 107167, Feb. 1996.

Niemmen. "Hydrogen atoms band together." Nature, Vol 356, 26 March 1992, pp. 289-291.

NIST, "Atomic Spectroscopy – Spectral Line Shapes, etc.," available at: http://physics.nist.gov//*ubs/Atspec/node20html/

NIST's Physical Reference Datasheet, "Energy Levels of Hydrogen and Deuterium," <URL http://physics.nist.gov/PhysRefData/HDEL/index.html>

Noninski. "Excess Heat During the Electrolysis of a Light Water...Nickel Cathode." Fysion Technology, Vol 21, March 1992, pp. 163-167.

Noninski, et. al. "Determination...Heavy Water." Fusion Technology, Vol 19, 1990, pp. 365-367.

Notoya. "Cold Fusion ... Nickel Electrode." Fusion Technology, Vol 24, 1993 pp. 202-204.

Notoya. "Tritium Generation." Nickel Electrodes." Fusion Technology, Vg 26,1994, pp. 179-183.

Notoya, et. al. "Excess Heat Production in Electrolysis ... Electrodes." Proceedings of the Int. Conf. on Cold Fusion, Oct. 21-25, 1992, Tokyo, Japan.

Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", *Physica*, pp. 203-216, 1982

Ohashi, et. al. "Decoding of Thermal Data in Fleischmann & Pons Paper." J. of Nucl. Sci.. & Tech., Vol 26, No 7, July 1989, pp. 729-732.

Ohmori, et. al. "Excess Heat Evolution ... Tin Cathodes Fusion Technology, Vol 24, 1993, pp. 293-295.

Oka, et. al. "D₂O-fueled fusion power reactor using electromagnetically induced D-D_n, D-D_p, and Deuterium-tritium reactions-preliminary design of a reactor system." Fusion Technology, Vol 16, No 2, September 1989, pp. 263-267.

Park, Robert L. "Perpetual Motion: Still Going Around." Washington Post, January 12, 2000, pg H03.

Park, "Patent Nonsense, Court Denies PlackLight Power Appeal," What's New, September 6, 2002, available at www.aps.org.wn/wn02/wn090602.html.

Park, What's New, Friday 03/17/2006

Park, What's New, Friday 01/13/2006

Park, What's New, Friday 04/26/1991

Pauling, et. al. "Introduction to Quantum Mechanics with Applications to Chemistry." Dover Publications, Inc., Harvard University, 1985, pp. 121-140.

Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft Westinghouse STC, Feb 1994.

Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.

Plasmaphysics.org. Conversion Table: cgs/SI- units. (internet page) www.plasmaphysics.org.uk/convers.htm. (no author or date listed)

Platt, Charles. "Testing the Current." Washington Post. June 25, 2000, pg X05.

Physics 2000-04 course, "Pauli Spin Matrices," http://axion.physics.ubc.ca/200-04/pauli-spin.pdf

hysics Web 08/05/2005, "Hydrogen results causes controversy"

Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.

Powell et al. Quantum Mechanics, Addison-Weskey Publishing Co., Inc., pp. 205-229 and 478-482

Price, et. al. "Search for Energetic-Charged Particle Emission from Deuterated Ti and Pd Foils." Physical Review Letters, Vol 63, No 18, Oct 30, 1989, pp. 1926-1929.

Prop. to the United Press, "Theory May Explain 'Cold Fusion' Puzzle," Lexis Nexis Repgint, 1991.

Quantum Physics 301, "Paradoxes and Interpretation,"

http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf

Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer-α Excitation in Kr-H² Radio-Frequency Discharges." *J. Appl. Phys.*, Vol 78, No 2, July 15, 1995, pp. 746-756.

Rathke "A Critical Analysis of the Hydrino Model", New Journal of Physics May 19, 2005, http://www.iop.org/ei/article/1367-2630/7/1/127/nip5 1 127.html

Rauch et .al. "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides." *Physical Review*, Feb 1, 1957, Vol 105, pp. 314-920.

Rees. "Cold Fusion...What Do We Think?" Journal of Fusion Engrgy, Vol 10, No 1, 1991, pp. 110-116.

Real Climate, 20 January 2005, "Peer Review: A Necessary But Not Sufficient Condition," http://www.realclimate.org/index.php?p=169

Roberts, et. al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." J. App. Phys, vol. 74, No11, (Dec. 1993).

Rogers, et. al., "Cold Fusion Reaction Products and Their Measurement." Journal of Fusion Technology, Vol 9, No 4, 1990, pp. 483-485.

Rogers. "Isotopic hydrogen fusion in metals." Pusion Technology, Vol 16, No 2, September 1989, pp. 2254-259.

Rosenblum. "Celebrating Y2K Could Prevent Panic, Ease Transition." Re: (ise-I) Institute for Social Ecology Newsletter, Dec. 22, 1998.

Rosenblum. "Four Interviews With Dr. Randell Mills on New Energy New Physics." Re: (ise-I) Institute for Social Ecology Newsletter, Feb 2, 1998.

K. L. Ross, "Kantian Quantum Mechanics," http://www.friesian.com/space-2.htm

Rothwell. "Italy-Cold Fusion & Judge's Verdict." NEN, Vol 4, No 1, March 26, 1996, available at www.padrak.com/ine/CFL/BEL.html, pp. 9-11.

Rousseau. "Case Studies in Pathological Science." American Scientist, Vol 80, 1992, pp. 54-63.

Rout, et. al. "Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium." 3rd Annual Conference on Cold Fusion, Oct. 21-25, 1992.

Rudd, et. al. "Backward Peak in the Electron Spectrum from Collisions of 70-keV Protons with a Target from a Hydrogen-Atom Source." *Physical Review Letters*, Vol 68, No 10, March 1992, pp. 1504-1506.

Salamon, et. al. "Limits ... Electrolytic Cells." Nature, Vol 344, March 29, 1990, pp. 401-405.

Schaefer. "Das Ultrarote Spektrum Des U-Zentrums," Phys. Chem. Solids, 1960, Vol. 12, pp. 233-244, Pergamon Press, Great Britain.

Schearer et al. "Microwave Saturation of Paraelectri-Resonance Transitions of OH lons in Kct.." Solid State Communications, Vol 4, 1966, pp. 639-642.

Schiff, Leonard I. "Quantum Mechanics." Stanford University, 1968, pp. 1, 7-8, 10-12, 21, 54-57, 60-61, 81, 82, 101, 527.

Schrieder, et. al. "Search for Cold Nuclear Fusion in Palladium-Deuterium." Z. Phys. B-Condenses Matter, Vol 76, No 2, 1989, pp. 141-142.

Service. "Sold Fusion: Still Going." Newsweek Focus, July 19, 1993.

Shani, et. al. Evidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium." Solid State Communications, Vol 72, No 1, 1989, pp. 53-57.

Shaubach, et. al. Anomalous Heat...Carbonate." Thermacore, Inc., pp. 1-10.

Shelton, et. al. "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry." Elsevier Science B.V., Thermochimica Acta 297,1997, pp. 7-15.

Shermer, "Baloney Detection", Scientific American, November 2001

Shkedi, et. al. "Calorimetry, Excess Heat, and Faraday Efficiency in Ni-H₂O Electrolytic Cells." Fusion Technology, Vol 28, November 1995, pp. 1720-1731.

Shook. "A Pragmatically Realistic Philosophy of Science." *Fragmatic Naturalism and Realism.* Prometheus Books: Amherst, NY. 2003, http://www.pragmatism.ort/shook/pragmatic_and_realistic.htm.

Silvera, et. al. "Deuterated palladium at temperatures from 4.3 to 400K and pressures to 105 kbar; Search for cold fusion." *The American Physical Society*, Physical Review B, Vol 42, No 14, November 15, 1990, pp 9143-9146.

Souw, Bernard, "Coherent Telescope array with self-homodyne interfermetric detection for optical communications," Opt. Eng. 42(11) 3139-3137 (Nov. 2003)

Souw et al., "Calculation of the Combined Zeeman and translational Stark Effect on the Hα-Multiplet", *Physica*, pp. 353-374, 1983.

E-K Souw, Ph.D. Thesis 1981, University of Dusseldorf, Germany, titled "Investigations of Transport Phenomena in the Wall Region of a Helium Plasma by Means of Spectroscopic Methods."

E.K.Souw, "Plasma Density Measurements in an Imperfect Microwave Savity," J. Appl. Phys. 61 (1987) p. 1761-1772.

E-K Souw et al., "The Zeeman Splitting of the 5876 A He Line Studied by means of a Tunable Dye Laser," Physica 113c (1982) pp. 203-216.

E-K Souw, "Anomalous Broadening and Splitting of Hel and Arl lines in microwave plasmas," unpublished data, 12/01/2003.

Srianand, et. al. "The cosmic microwave background radiation temperature at a redshift of \$34." NATURE Vol 408, Dec 2000, pp. 931-935.

Srinivasan, et. al. "Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkeli Salts with Nickel Cathode." 3rd Annual Conference on Cold Fusion, Oct. 21-25, 1992.

Stein. "Theory May Explain Cold Fusion Puzzle." *Lexis Reprint, Washington News*, April 25, 1991.

Stellar Spectra and the Secrets of Starlight" (Internet Pages)

www.kingusa.ab.ca/~brian/asto/course/lectures/fall/a200110g.htm (date and author unknown)

Stripp "Georgia Group Outlines Errors That Led to Withdrawal of Cold Fusion Claims." The Wall Street Journal April 26, 1989, p. B4.

Storms, et al. "Electrolytic Tritium Production." Fusion Technology, Vol 17, July 1990, pp. 680-695.

Suplee. "Two New Theories on Cold Fusion...Scientists." The Washington Post 1st Section, 1991, p. A11.

Taubes. "Bad Science." Random House, 1993, pp. 303, 425-481.

Taubes. "Cold Fusion Conundrum at Texas A & M." Science, Vol 248, News & Comment, June 15, 1990, pp. 1299-1304.

Taylor, et. al. "Search for neutrons from Deuterated palladium subject to high electrical currents." Fourth International Conference on Cold Fusion, Maui Hawaii, L.A-UR 94,970, May 4, 1994, pp. 1-11.

Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug. 2, 1996.

Tegmark, et. al. "100 Years of Quantum Mysteries." Scientific American, Feb 2001, pp. 68-75.

Thermacore, Inc. "SBIR Phase I Nascont Hydrogen: An Energy Source." Final Report, March 1994.

Thomas. "Zur Photocjemie des KH-KBR-Mischjristalles." Annalen der Physik, Vol 38, 1940, pp. 601-608.

Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K₂CO₃ Can It Account for the Reports of Excess Heat?" Departments of Physics and Chemistry, Brigham Young University, June 1993.

Time 2 wake up: "New Power SOURCE that turns physics on its head," 11/09/2005.

Tolman, Richard C. "The Principles of Statistical Mechanics." California Institute of Technology, 1979, pp. 180-188.

Turner. "Declaration of Dr. Gary L. Turner." 24 August 2004.

U.S. Department of Commerce, Summary of Ethics Rules, USPTQ, 2000; October 15, 2004

Vaselli et. al. "Screening Effect of impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion." 11 Nuovo Cimento Della Societa Italiana di Fisica, Vol. 11D, No. 6, June 1989, Bologna, Italy, pp. 927-932.

Videnovic, et al. "Spectros opic investigations of a cathode fall region of the Grimm-type glow discharge." Spectrochimica Acta Part B, Vol 51, 1996, pp. 1707-1731.

Vigier. "New Hydrogen Energies in Specially Structured Dense Media: Capillary Chemistry and Capillary Fusion." *Proceedings of the Third Annual Conf. on Cold Fusion*, Nagoya, Japan, October 21-25, 1992, H. Ikegami, Ed. Universal Academy Press., pp. 325-334.

Vigier. "New Aydrogen (Deuterium) Bohr Orbits." Proc. ICCF4, Vol 4, 1994, p. 7-10.

Welcome to MIT's OpenCourseWare Home Page. MIT 2005. http://oxw.mit.edu/index.html

Weisskopf, V.F. "Recent developments in the theory of the electron." Reviews of Modern Physics, Vo. 1, No 2, 1949, pp. 305-315.

Wheeler, et. al. "Quantum Theory and Measurement." English Translation of Heisenburg's Uncertainty Principle Paper, Zeitschrift für Physik, 1927, Vol 43, pp. 172-198.

Wikipedia, Chapter 9: "Peer Review and Fraud," http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud>

Williams. "Upper Bounds on Cold Fusion in Electrolytic Cells." *Nature*, Vol. 342, 23 November 1989, pp. 375-384.

Wilson, et. al. "Analysis of experiments on the calorimetry of LiOD-D₂O electrochemical cells." *Elsevier Sequoia S.A.*, Journal of Electroanalytical Chamistry, Vol. 32, Nos. 1 and 2, August 14, 1992, pp. 1-31.

"XPS (EASC) -SAM,"

http://www.noveonic.com/measurementacience/analyticalservices/xpsescasam.pdf

Yamaguchi et. al. "Direct Evidepce...Palladium." NTT Basic Research Saboratories, 1992 pp. 1-10.

Ziegler, et. al. "Electrochemical Experiments in Cold Nuclear-Fusion." *Physical Review Letters*, Vol 62, No 25, June 19, 1985, pp. 2929-2932.

Peter D. Zimperman, "An Analysis of Theoretical Flaws in So-Called Classical Quantum Mechanics and of Experimental Evidence Against CQM" (2001)

Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", Science, Vol. 201, (1978), pp. 973-979.

CRITCHLEY et al, "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", Molecular Physics, 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd.	B (ALL)
GAMBUS et al., "Spectroscopic Study or Low-Pressure Water Plasmas and Their Reactions with Liquid Hydrocarbons", Energy & Fuels, 2002, 16, pp. 172-176, American Chemical Society	
AKATSUKA et al., "Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet", Physical Review E, 49, 2, pp. 1534-1644, February, 1994, The American Physical Society	
MURAKAMI et al., "Chemisorption of hydrogen into a graphite-potassium intercalation compound C ₈ K studied by means of position annihilation", J. Chem. Phys., 62 (16), May 15, 1995, American Institute of Physics	
AHN, "Hydrogen Storage in Metal-Modified Single-Walled Carbon Nanotubes", Division of Engineering and Applied Science, California Institute of Technology, September 15, 2001	
DUAN et al., "Numerical calculation of energies of some excited states in a helium atom", Eur. Phys. J., D 19, (2002), pp. 9-12, Societa Italiana di Fisica, Springer Verlag 2002	
NIXON et al., "Formation and structure of the potassium graphites Brit. J. Appl. Phys., Ser. 2, Vol., 1, pp. 291-299, Great Britain, 2002	
ZELLINGER, "Experiment and the foundations of quantum physics", Reviews of Modern Physics, Vol 71, No. 2, pp. S288-S267, Centenary 1999, The American Physical Society	
COTTON et al, "Complexes of Cyclic 2-Oxacarbenes, I. A Spontaneous Cyclization to Form a Complex of 2 Oxaclyclopentylidene", Journal of the American Chemical Society, 93:11, pp. 2672-2676, June 2, 1971	
LINDSAY et al., "A remeasurement of the $2.4\mu m$ spectrum of J = H2 pairs in a parahydrogen crystal" cournal of Molecular Spectroscopy, 218. Pp. 131-133, 2003	

JUAREZ et al, "Photoelectron angular distributions of rotationally resolved states in para-H2+: A closer to the dynamics of molecular photoionisation", The University of Manchester Atomic, Molecular & Lase Manipulation Group, pp.1-5	
WEISSTEIN, "Ortho-Para Hydrogen", http://scienceworld.wolfram.com/physics/Ortho- ParaHydrogen.html	
SMITH, "Infrared spectra of BO2- in the alkali halides-L. Potassium and rubidium halides", Spectrochimica Acts, Vol. 30A, pp. 875-882, Pergamon Press, 1974	
LEITCH et al., "Raman Specreoscopy of Hydrogen Molecules in Crystalline Silicon", Physical Review Letters, 81:2, pp. 421-424, July 13, 1998, The American Physical Society	
CHEN et al., "Key to Understanding Interstitial H2 in Si", Physical Review Letters, 88:10, pp. 105507-1 - 105507-4, March 11, 2002, The American Physical Society	
CHEN et al., "Rotation of Molecular Hydrogen in Si: Unambiguous Identification of Ortho-H2 and Para- D2", Physical Review Letters, 88:24, pp. 245503-1 -,245503-4, June 17, 2002, The American Physical Society	
LAVROV et al., "Ortho and Para Interstitial H2 in Silicon", Physical Review Letters, 89:21, pp. 215501-1 - 215501-4, November 18, 2002, The American Physical Society	
STAVOLA et al, "Interstitial H2 in Si: are all problems solved?", Physica B, pp. 58-66, 200s Elsevier B.V.	···
DECIUS et al, "Force Constants of the Metaborate Ion in Alkali Halides", The Journal of Chemical Physics, 56:10, pp. 5189-5190, May 15, 1972	
"Infrared spectra of the metaborate ion in alkali halide solid solution", Research Notes, pp. 600-602	
SMITH, "Anharmonic force field of the metaborate ion in alkali balides", The Journal of Chemical physics, 58:11, pp. 4776-4778, June 1/1973	
HISATSUNE et al., "Infrared Spectra of Metaborate Monomer and Trimer lons", Inorganic Chemistry, pp. 168-174	
JONES et al., "Force Constants of Nickel Carbonyl from Vibrational Spectra of Isotopic Species", The Journal of Chemical Physics, 48:6, pp. 2663-2670, March 15, 1968	
SMITH, "Infrared spectra of BO2-in the alkali halides-I. Potassium and rubidium halides", Spectrochimica Acta 30A, pp. 875-882, 1974, Pergamon Press	
SCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH2", J. Vac. Sci. Technol., 10:5, pp. 862-870, Sept Oct. 1973	
"Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., 18-119, May 24, 2001, Spectra-Mat, Inc.	
"Emission Characteristics of 'M Type' Dispenser Cathodes", HeatWave Labs, Inc., TB-117, May 24, 2001, Spectra-Mat, Inc.	
Practical Aspects of Modern Dispenser Cathodes", Microwave Journal, September, 1979	

"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.	
ABATE et al., "Optimization and enhancement of H- ions in a magnetized sheet plasma", Review of Scientific Instruments, 71:10, pp. 3689-3695, October 2000, American Institute of Physics	
CHABERT et al., "On the influence of the gas velocity on dissociation degree and gas temperature in a flowing microwave hydrogen discharge", Journal of Applied Physics, 84:1, pp. 161-167 July 1, 1009, American Institute of Physics	
GORDON et al., "Energy coupling efficiency of a hydrogen microwave plasma reactor", Journal of Applied Physics, 89:3, pp. 1544-1549, February 1, 2001, American Institute of Physics	
RADOVANOV et al., "Time resolved Balmer-alpha emission from fast hydrogen atoms in low pressure, radio-frequency discharges in hydrogen", Appl. Phys. Lett., 66:20, pp. 2627-2639, May 15, 2995	
DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
KONJEVIC, "Plasma Broadening and Shifting of Non-Hydrogenic Spectral Lines: Present Status and Applications", Physics Reports, 315, pp. 339-401, 1999, Elsevier	
BENESCH et al., "Line shapes of atomic hydrogen in hollow-cathode discharges", Optics Letters, 9:8, pp. 338-340, August 1984, Optical Society of America	
AYERS, et al., "Shapes of atomic-hydrogen lines produced at a cathode surface", Physical Review A, 37:1, pp. 194-200, January 1, 1988, The American Physical Society	
ADAMOV, et al., "Doppler Spectroscopy of Hydrogen and Deuterium Balmer Alpha Line in an Abnormal Glow Discharge", IEEE Transactions on Plasma Science, 31:3, pp. 444-454, June 3, 2003	
JOVICEVIC et al., "Excessive Balmer line broadcasting in microwave-induced discharges", Journal of Applied Physics, 95:1, pp. 24-29, Japuary 1, 2004, American Institute of Physics	
DJUROVIC et al., "Hydrogen Bather alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74.11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas Comments on the Possibility of Mono-Energetic Species", April 20, 2004	
VIDENOVIC et al., "Spectroscopic investigations of a cathode fall region of the Glimm-type glow discharge", Spectrochimica Acta Part B, 51, pp. 1707-1731, 1996	
BARBEAU et al., "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge, pp. 1168-1174, 1990 IOP Publishing Ltd.	
KONJEVIC et al., "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", J. Phys. IV France, 7, pp. C4-247-C4-258, October 1997	
LIFSHITZ et al., "Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman-α lines from microwave sources", J. Chem. Phys., 70:12, pp. 5607-5613, June 15, 1979, American Institute of Physics	
	l

KURAICA et al., "Line shapes of atomic hydrogen in a planecathode abnormal glow discharge", Physical Review A, 46:7, pp. 4429-4432, October 1, 1992, The American Physical Society	F
KURAICA et al., "On the Atomic Hydrogen Line Shapes in a Plane-Cathode Obstructed Glow Discharge", Physica Scripta., 50, pp. 487-492, 1994	
OLTHOFF et al., "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", Journal of Research of the National Institute of Standards and Technology, 100:4, pp. 383-400, July-August 1996	
ALEXEFF et al., "Collisionless Ion-Weve Propagation and the Determination of the Compressions Coefficient of Plasma Electrons", Physical Review Letters, 15:7, pp. 286-288, August 16, 1999	
ARATA et al., "Reproducible 'Cold' Fusion Reaction Using a Complex Cathode", Fusion Technology, 22, pp. 287-295, September 1992	
BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO2, B2O2, B2O3, and BO2 in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991	
SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma Into Electrical Energy", Master's Thesis, The University of South Florida, June 1972	
Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).	
Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess, www.drury.edu/ess/philosophy.com/	
**Average Molecular Kinetic Energy*, http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html	

- 116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Sapactively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)
- 115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press, Unternet Publication Date: May 12, 2006)
- 114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Cartain Hydrogen Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.)
- 113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press. . (Internet Publication Date: June 9, 2005.)
- 112. R. L. Mills, J. He, Y. Lu, Z, M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988–3009. (Internet Publication Date: May 9, 2005.)

- 11. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H (1/4) and H₂(1/4) as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)
- 110. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)
- 109. R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," J. Plasma Physics, submitted. (Internet Publication Date: April 15, 2005.)
- 108. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI). Special Edition in Energy Systems, in press. (Internat Publication Date: April 4, 2005.)
- 107. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which's Fiction," Physics Essays, in press. (Internet Publication Date: October 28, 2004.)
- 106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)
- 105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)
- 104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Volgt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22–26, 2004, Philadelphia, PA.
- 103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K₂CO₃ Electrolysis Gases," Chemical Engineering Science, submitted. (Internet Publication Date: April 28, 2004.)
- 102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions or One-through Twenty-Electron Atoms," Phys. Essays, Vol. 18, No. 3 (2005), 321–361. (Internet Publication Date: April 22, 2004.)
- 101. Mills et al. "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA.
- 100. Mills et al., "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics 94/2-3, (2005), pp. 298-307. (Internet Publication Date: Nov. 17, 2003.)
- 99. Mills et al., "Spectral Identification of H2(1/2)," submitted.
- 98. R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted. (Internet Publication Date: Nov. 18, 2003.)
- 97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, Vol. 72, Issue 4, (2006), pp. 469-484. (Internet Publication Date: Sept. 26, 2003.)
- 96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," J. Plasma Phys., submitted. (Internet Publication Date: Sept. 12, 2003.)

- 55. Mills et al., "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: Aug. 18, 2003.)
- 94. Miles, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach Physics Essays, Vol. 17, (2004), pp. 342-389. (Internet Publication Date: Aug. 6, 2003.)
- 93. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemisty, submitted.
- 92. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted. (Internet Publication Date: June 6, 2003.)
- 91. R. Mills, P. Ray, New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted.
- 90. Mills et al., "Characterization of Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003).
- 89. Mills et al., "Hydrogen Plashas Generated Using Certain Group I Oatalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted.
- 88. Mills et al., "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.)
- 87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted.
- 86. Mills et al., "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24, 2003.)
- 85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted.
- 84. Mills et al., "Comparison of Balmer o Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)
- 83. Mills et al., "Comparison of Water-Plasma Sources of Stationaly Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.
- 82. Mills et al., "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methade," Journal of Materials Science, submitted (Internet Publication Date: May 7, 2003.)
- 81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride lons in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet Publication Date: Feb. 21, 2003.)
- 80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales De La Fundation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jan. 27, 2003.)
- 79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.
- 79. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecularly Mydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9, 2002.)

- 77. Mills et al., "Water Bath Calorimetric Study of Excess Heat in 'Resonant Transfer' Plasmas," Journal of Applied Physics, Vol. 96, No. 6, (2004), pp. 3095-3102. (Internet Publication Date: June 19, 2003.)
- 76. Milks et al., "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Journal of Applied Spectroscopy, submitted. (Internet Publication Date: Feb. 12, 2002.)
- 75. Mills et al. "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," Acta Physica Polonica A, submitted. (Internet Publication Date: Oct. 29, 2002.)
- 74. Mills et al., "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Journal of Plasma Physics, Vol. 71, Part 6, (2005), pp. 877-78. (Internet Publication Date: June 18, 2003.)
- 73. Mills et al., "Energetic Helium-Hydrogen Plasma Reaction," AIAA Journal submitted. (Internet Publication Date: July 26, 2002.)
- 72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions," Vacuum, submitted.
- 71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted.
- 70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," The European Journal of Applied Physics, submitted. (Internet Publication Date: Sept. 2 2002.)
- 69. Mills et al., "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313–1321. (Internet Publication Date: Dec. 31, 2002.)
- 68. Mills, et. al. "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser." IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: August 16, 2002)
- 67. Mills et al., "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535–1542. (Internet Publication Date: July 17, 2002.)
- 66. Mills et al., "Spectroscopic Evidence for a Water-Plasma Laser," Europhysics Letters, submitted. (Internet Publication Date: Sept. 19, 2002.)
- 65. Mills et al., "Spectroscopic Evidence for Highly Pumped Balmer and Lyman Populations in a Water-Plasma," J. of Applied Physics submitted. (Internet Publication Date: Sept. 18, 2002.)
- 64. Mills et al., "Low Power MPCVD of Diamond Films on Silicon Substrates," Journal of Vacuum Science & Technology A, submitted. (Internet Publication Date: June 26, 2002.)
- 63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomio Hydrogen Measured by Water Bath Calorimetry," Thermochimica Acta, Vol. 406, Issue 1–2, (2003), pp. 35–53. (Internet Publication Date: June 25, 2002.)
- 62. Mills et al., Synthesis and Spectroscopic Identification of Lithium Chloro Hydride, Unorganica Chimica Acta, Submitted.
- 61. Mills et al., "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials & Solar Cells, Vol. 80, No. 1 (2003), pp. 1–20. (Internet Publication Date: April 15, 2002.)
- 60. Mills et al., "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)
- 58. Mills et al., "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679–1681. (Internet Publication Date: July 11, 2002.)

- 88. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, (2003), pp. 433-498. (Internet Publication Date: May 23, 2002.)
- 57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy and Radiative Transfer," No. 39, sciencedirect.com, April 17, 2003.
- 56. R. M. Maye, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (Internet Publication Date: March 28, 2002.)
- 55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.)
- 54. Mills et al., "Stationary Inverted Lyman Population Formed from Incande Scently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504–1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts.
- 53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." Braz. J. Phys, submitted. (Internet Publication Date: June 4, 2002)
- 52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002)
- 51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236–247. (Internal Publication Date: Feb. 4, 2002.)
- 50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy Vol. 3, No. 2, (2003), pp. 195–213.
- 49. Mills et al., "Comparison of Excessive Barmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338–355. (Internet Publication Date: Sept. 17, 2002.)
- 48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066–2073. (Internet Publication Date: March 26, 2002.)
- 47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389.
- 46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389–395.
- 45. Mills et al., Synthesis and Characterization of a Highly Stable Amorphous Silicon Nydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 88, No. 12, (2003), pp. 4401–1424. (Internet Publication Date: April 15, 2002.)
- 44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", International Journal of Hydrogen Energy, submitted. (Internet Publication Date: January 7, 2002.)
- 43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," New Journal of Physics, www.njp.org, Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.)

/Stephen Kalafut/ 11/14/2007

- 27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", *International Journal of Hydrogen Energy*, Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002)
- 26. Miles, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671–697. (Presented at the conference on March 7, 2001; Internet Rublication Date: April 20, 2001.)
- 25. Mills, et. al. "Minimum heat of formation of potassium iodo hydride." International Journal of Hydrogen Energy, vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001)
- 24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." *International Journal of Hydrogen Energy*, Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.)
- 23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp. 651–670. (Internet Publication Date: July 20, 2001)
- 22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. Orbis Scientiae entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th Conference on High Energy Physics and Cosmology Since 1964) Dr. Behram N. Kultunoglu, Chairman, December 14-17, 2000, Lago Mar Resort, Fort Lauderdale, FL, Kluwer Academic/Plenum Pyblishers, New York, pp. 243–258. (Presented at the conference on Dec. 15, 2000. (Internet Publication Date: May 17, 2001.)
- 21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 565–590. (Internet Publication Date: Sept. 17, 2001.)
- 20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," IEEE Transactions on Plasma Science, Vol. 30, No. 2, (2002), pp. 639–653 Internet Publication Date: Dec. 7, 2000.)
- 19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," Int. J. Hydrogen Energy, Vol. 26, No. 9, (2001), pp. 965–979. (Internet Publication Date: March 22, 2001.)
- 18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL, November 26-28, 2000, Kluwer Academic/Plenum Publishers New York, pp. 187–202. (Presented at the conference on Nov. 26, 2000. (Internet Publication Date: Jan. 19, 2001.)
- 17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," Int. J. Hydrogen Energy, Vol. 26, No. 10, (2001), pp. 1059–1096. (Internet Publication Date: Dec. 11, 2000.)
- 16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131 158. (Internet Publication Date: Aug. 27, 2001.)
- 15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," Int. J. Hydrogen Energy, Vol. 25, (2000), pp. 919–943. Internet Publication Date: June 27, 2000.)
- 14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by Hellow Cathode Discharge," Int. J. Hydrogen Energy, Vol. 26, No. 6, (2001), pp. 579-592. (Internet Jubication Date: July 10, 2000.)

Substitute	o for fo	orm 1449B/PT			-	Complete if Known			
Substitute	5 101 10	MIN 144307 IV	J			Application Number	09/110,694		
INI	FOF	RMATIC	N DI	SCL	OSURE	Filing Date	July 7, 1998		
STATEMENT BY APPLICANT						First Named Inventor	Mills		
			,			Group Art Unit	Unknown 1745		
	(us	e as many :	sheets a	s nece	ssary)	Examiner Name	Unknown		
Sheet	1	89	of	44	98	Attorney Docket Number	62-226-8AC5		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	1
Examiner Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Bishop, "More Labs Report Cold Fusion Results", Wall Street Journal, Oct. 19, 1992,	
		Bishoo, "It ain't over til it's over Cold Fusion", Popular Science, Aug. 1993, pp. 47-51.	
		Black Light Rower, "Executive Summary", January 11, 1999, pp. 1-6.	<u> </u>
		Boston Globe, Wednesday, April 19, 1989, "Successful nuclear fusion experiment by the Italians"	
		Braaten, "Ridiculously Easy Test Yields Claim of Energy Triumph," The Washington Times, March 24, 1989, A5.	
		Broad, "2 Teams Put New Life in Cold Fusion Theory", New York Times, April 26, 1991, p. A18.	
		Browne, "Fusion Claims is Greeted With Scorn by Physicists", The New York Times, May 3, 1989, pp. A1 and A22.	
		Browne, "Pysicists Put Atom in 2 Places at once", The New York Times.	
		Bush, et. al., "Power in a Jar: the Debate Heats Up", 88 Bus. Week, Science & Technology, Oct. 26, 1992.	
		Bush, et. al., "Helium Production Ouring the ElectrolysisExperiments", J. Electroanal Chem., Vol. 304 (1991), pp. 271-278.	
		Bush, et. al., "Helium Production During the ElectrolysisExperiments", Preliminary Note, Univ. of Texas, pp. 1-12.	
		Catlett, et. al., "Hydrogen transport in lithium hydride as a function of pressure" The Journal of Chemical Physics, <u>58</u> (8), 3432-3438 (April 1978).	
		Chapline, "Cold Confusion", UCRL-101583, July 1989, pp. 1-9.	
		Chien, et al., "On an ElectrodeTritium and Helium", J. Electroanal Chem., 1992, pp. 189-212.	
		Close, "Too Hot to Handle-The Race for Cold Fusion", Princeton University Press, 1989.	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007	
-----------------------	-------------------	--------------------	------------	--

Substitute	o for fr	orm 1449B/P	ro			Complete if Known			
	, , , , ,		. •			Application Number	09/110,694		
INI	FOI	RMATI	ON DI	SCL	OSURE	Filing Date	July 7, 1998		
ST	ΑT	EMEN	T BY A	APPI	LICANT	First Named Inventor	Mills		
						Group Art Unit	-Unknewn 1745		
	(us	se as many	sheets a	s nece	ssary)	Examiner Name	Unknown		
Sheet	1	90	of	44	98	Attorney Docket Number	62-226-8AC5		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Ooke, ORNL/FTR-3341, July 31, 1989, pp. 2-15.	
•		Cribies, et. al., "Conventional Sources of Fast Neutrons in Cold Fusion Experiments", Physics Letters B, Vol. 228, No. 1, September 7, 1989, pp. 163-166.	•••
		Criddle, "The Roles of SolutionExcess Heating", Electrochemical Science & Technology Centre, Univ. of Ottawa.	
		Datz, et. al., "Molecular Association in Alkali Halide Vapors", Journal of Chemical Physics, vol. 34, no. 5, (Feb. 1961), pp.558-564.	
		Dagani, "Cold Fusion-Utah Rressures Pons, Fleischmann", January 14, 1991, C&EN, pp. 4-5.	
		Dagani, "Latest Cold Fusion Results Fail to Win Over Skeptics", June 14, 1993, C&EN, pp.38-40.	
		Dagani, "New Evidence Claimed for Nuclear Process in 'Cold Fusion", C&EN Washington, (April 1991), pp. 31-33	
		Experimental Verification by Idaho National Engineering Laboratory, pp. 13-25.	
		Faller, et. al., "Investigation of Cold Fusion in Heavy Water", J. Radioanal. Nucl. Chem., Letter, Vol. 137, No. 1, August 21, 1989, pp. 9-10.	
		Hajdas, et. al., "Search for Cold-Fusion Events", Solid State Communications, Vol. 72, No. 4, 1989, pp. 309-313.	
		Hardy, et. al., "The Volatility of Nitrates and Nitrites of the Alkali Metals", Journal of the Chemical Society, pp. 5130-5134 (1963).	
		Hilts, "Significant Errors Reported in Utah Fusion Experts," The Washington Post, May 2, 1989, pp. A1 and A7.	
		Horanyi, "Some Basic Elctrochemistry and the Cold Nuclear Fusion of Deuterium", 3 Radioanal. Nucl. Chem., Letters, Vol. 137, No. 1, August 21, 1989, pp. 23-28.	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute	o for fo	rm 1449B/PT	·O			Complete if Known			
500501011	3 101 10	1111 1443071 1	Ŭ			Application Number	09/110,694		
INI	FOF	RMATIC	ON D	ISCL	OSURE	Filing Date	July 7, 1998 Mills		
					LICANT	First Named Inventor			
						Group Art Unit	Unknown 1745		
	(use	e as many	sheets a	as nece	essary)	Examiner Name	Unknown		
Sheet	K	91	- of	14	98	Attorney Docket Number	62-226-8AC5		

	OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	Nuizenga, "Cold Fusion-The Scientific Fiasco of the Century", Oxford University Press, 1993	
	Huizenga, "Cold Fusion Labled Fiasco of the Century", Forum for Applied Research and Public Policy, Vol. 7, no. 4, pp. 78-83.	
	Jones, (article by Dagani), "Cold Fusion Believer Research", June 5 1995, C&EN, pp. 34-41.	
	Jones, "Current Issues in Cold Fusion Particles", Surface and Coatings Technology, 51 (1992), pp. 283-289.	
	Jones, et. al., "Faradic Efficiencies Cells", J. Phys. Chem. 1995, pp. 6973-6979.	<u> </u>
	Jones, et. al., "Examination of Claims of Miles Experiments", J. Phys. Chem. 1995, pp. 6966-6972.	
	Ivanco, et. al., "Catorimetry For a Ni/K ₂ CO ₃ Cell", AECL Research, June 1994.	
	Kahn, "Confusion in a Jarr", Nova 1991.	
	Karabut, et. al., "Nuclear ProductDeuterium", Physics Letters A170, (1992), pp. 265-272.	
	Klein, "Attachments to Report of Cold Fusion Testing", Cold Fusion, No. 9, pp. 16-19.	
	Kreysa, et. al., "A Critical Adalysis of Electrochemical Nuclear Fusion Experiments", J. Electroanal. Chem., Vol. 266, 1989, pp. 437-450.	
	Labov, "Spectral ObservationsBackground", The Astrophysical Journal, 371, April 20, 1991, pp. 810 819.	
	Leggett, et. al., "Exact Upper Bound'Cold Fusion", Physical Review Letters, Vol. 63, No. 2, Jouly 1989), pp. 190-194	
	Lehigh X-Ray Photoelectron Spectroscopy Report, December 8, 1993.	
	Lewis, et. al., "Searches for Low-Temperature Nuclear Fusion of Deuterium in alladium", Nature, Vol. 340, August 17, 1989, pp. 525-530.	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Nuizenga, "Cold Fusion-The Scientific Fiasco of the Century", Oxford University Press, 1993 Huizenga, "Cold Fusion Labled Fiasco of the Century", Forum for Applied Research and Public Policy, Vol. 7, no. 4, pp. 78-83. Jones, (article by Dagani), "Cold Fusion Believer Research", June 5, 1995, C&EN, pp. 34-41. Jones, "Current Issues in Cold Fusion Particles", Surface and coatings Technology, 51 (1992), pp. 283-289. Jones, et. al., "Faradic Efficiencies Cells", J. Phys. Chem. 1995, pp. 6973-6979. Jones, et. al., "Examination of Cleims of Miles Experiments", J. Phys. Chem. 1995, pp. 6966-6972. Ivanco, et. al., "Calorimetry For a Ni/K, Q, Cell", AECL Research, June 1994. Kahn, "Confusion in a Jarr", Nova 1991. Karabut, et. al., "Nuclear Product Denterium", Physics Letters A170, (1992), pp. 265-272. Klein, "Attachments to Report of Cold Fusion Testing", Cold Fusion, No. 9, pp. 16-19. Kreysa, et. al., "A Critical Analysis of Electrochemical Nuclear Fusion Experiments", J. Electroanal. Chem., Vol. 266, 1989, pp. 437-450. Labov, "Spectral ObservationsBackground", The Astrophysical Journal, 371, April 20, 1991, pp. 810-819. Leggett, et. al., "Exact Upper Bound'Cold Fusion", Physical Review Letters, Vol. 63, No. 2, July 1989), pp. 190-194 Lehigh A-Ray Photoelectron Spectroscopy Report, December 8, 1993. Lewis, et. al., "Searches for Low-Temperature Nuclear Fusion of Deuterium in

	aminer	/Stephen Kalafut/	Date Considered	11/14/2007
Sig	nature	, + 14 p +	Considered	

Substitut	a for fr	orm 1449B/PT	·O			Complete if Known		
30050100	e 101 10	JIII 1445D/F I	O .			Application Number	09/110,694	
IN	FOI	RMATIO	ON DI	SCL	OSURE	Filing Date	July 7, 1998	
STATEMENT BY APPLICANT						First Named Inventor	Mills	
						Group Art Unit	Unknown 1745	
	(use as many sheets as necessary)					Examiner Name	Unknown	
Sheet	8	92	of	44	98	Attorney Docket Number	62-226-8AC5	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initiats*	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Maly, et. al., "Electron Transitions on Deep Dirac Levels I", ANS Reprint, Fusion Technology, Vol. 24, (Nov. 1993), pp. 307-318.						
		McNally, "On the Possibility of a Nuclear Mass-Energy Resonance in D + D Reactions at Low Energy", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 231-239.						
		Miles, et. al., "Search for Anomalous Effects Palladium Cathodes", Naval Air Warfare Center Weapons Division, Proceedings of 3 rd Int. Conf. on Cold Fusion, Nagoya, Japan, (Oct. 1992); pp. 21-25.						
		Miles et al, "Correlation of ExcessPalladium Cathodes", J. Electronl. Chem., 1993, pp. 99-117.						
		Miles et al, "Heat and HeliumExperiments", Conference Proceedings, Vol. 33, 1991, pp. 363-372.						
		Miles et al, "ElectrochemicalPalladium Deuterium System", J. Electroanal Chem., 1990, pp. 241-254.						
		Mills, et al, "Dihydrino Molecule Identification", Fusion Technology, Vol. 25, Jan., 1994, pp 103-119.	,					
		Mills, et. al., "Fractional Quantum Hydrogen", Fusion Technology, Vol. 28, Nov. 1995, pp. 1697-1719.						
		Mills, et. at., "Excess Heat ProductionCold Fusion", Fusion Technology, Vol. 20, Feb. 1991, pp. 65-81.						
		Mills, Unification of Spacetime, the Forces, Matter, Energy, Hydro Catalysis Power Corporation, 1992, pp. 53-84.						
		Mills, "The Grand Unified Theory of Classical Quantum Mechanics", pp. 1-9						
		Mills, "Hydrocatalysis Power Technology", Statement of Dr. Randell L. Mills, May, 1993.						
		Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., Oct. 11 199 pp. 1-6						

		·		
Examiner Signature	/Stephen Kalafut/	Dale Considered	11/14/2007	

Substitut	e for for	m 1449B/P	oTO.				Complete if Known			
0000							Application Number	09/110,694		
IN	FOR	MATI	ON I	DIS	CL	OSURE	Filing Date	July 7, 1998 Mills		
			•			LICANT	First Named Inventor			
							Group Art Unit	Unknown 1745		
	(use as many sheets as necessary)						Examiner Name	Unknown		
Sheet	8	93	- 1	of -	14	98	Attorney Docket Number	62-226-8AC5		

	Т	OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner nitials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., April 17, 1992 pp. 1-6	
		Miskelly, et. al., "Analysis of the Published Calorimetric Evidence for Electrochemical Fusion of Reuterium in Palladium", Science, Vol. 246, No. 4931, November 10, 1989, pp. 793-96.	
		Monroe, et. al., "Schrodinger Cat Superposition State of an Atom", Science, Vol. 272, (May 24, 1990), pp 1131-1101.	
		Morrison, "Review of Progress in Cold Fusion", Transactions of Fusion Technology, Vol. 26, Dec. 1994, pp. 48-55.	
		Morrison, "Cold Fusion Update No. 12, ICCPG", Jan. 17, 1997, available online at "www.skypoint.com".	·
		Niedra, "Replication of the Apparent Excess Heat Effect in Light Water Cell", NASA Technical Memorandum 107167, (Feb. 1996).	
		Nieminen, "Hydrogen atoms band together, Nature, Vol. 356, 26 March 1992, pp. 289-291.	
		Noninski, et. al., "DeterminationHeavy Water", Fosion Technology, 1990, Vol. 19, pp. 365-367.	
		Noninski, "Excess Heat During the Electrolysis of a Light WaterNickel Cathode", Fusion Technology, Vol. 21, March 1992, pp. 163-167.	
-		Notoya, et. al., "Excess Heat Production in Electrolysis Electrodes", Proceedings of the Int. Conf. on Cold Fusion, Oct. 21-25, 1992, Tokyo, Japan.	
		Notoya, "Cold Fusion Nickel Electrode", Fusion Technology, Vol. 24, op. 202-204 (1993).	
,		Notoya, "7 ritium Generation Nickel Electrodes", Fusion Technology, Vol. 28 pp. 179-186 (1994).	
		Obashi, et al, "Decoding of Thermal Data in Fleischmann & Pons Paper", J. of Nucl. Sci & Tech., Vol. 26, No. 7, July 1989, pp. 729-732.	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007
Digitatore.		CONSIDERCE	

Substitute	for for	m 14491	R/PTO				Comp	lete if Known		
5003000	reading to the tracer to						Application Number	09/110,694		
INI	FOR	MA.	ΓΙΟΝ	ı Di	SCL	OSURE	Filing Date	July 7, 1998		
ST	STATEMENT BY APPLICANT					LICANT	First Named Inventor	Mills		
							Group Art Unit	Unknown 1745		
	(use as many sheets as necessary)						Examiner Name	Unknown		
Sheet	44	95	-	of	4+	98	Attorney Docket Number	62-226-8AC5		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Stein, "Theory May Explain Cold Fusion Puzzle", Lexis Reprint, Washington News, April 25, 1991.	
		Storms, et. al., "Electrolytic Tritium Production", Fusion Technology, Vol. 17, July 1990, pp. 680-695.	
		Stripp, "Georgia Group Outlines Errors That Led to Withdrawal of Cold Fusion Claims", The Walt Street Journal, April 26, 1989, p. B4.	
		Suplee, "Two New Theories on Cold FusionScientists"; The Washington Post 1 st Section, p. A11, (1991).	
		Taubes, "Bad Science", Random House, 1993, pp. 303, 425-481.	Ĭ
		Vaselli et al., "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion", N Nuovo Cimento Della Societa Italiana di Fisica, Vol. 11D, No. 6, June 1989, (Bologna, Italy), pp. 227-932.	
		Williams, "Upper Bounds on Cold Fusion in Electrolytic Cells", Nature, vol. 342, 23 November 1989, pp. 375-384.	
		Yamaguchi et al, "Direct EvidencePalladium", NTT Basic Research Laboratories, (1992) pp. 1-10.	
		Ziegler, et. al., "Electrochemical Experiments in Cold Noclear-Fusion", Physical Review Letters, Vol. 62, No. 25, June 19, 1989, pp. 2929-2932.	
		Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", Science, Vol. 201, (1978), pp. 973-979.	
		Fleming et al., "Calorimetric Studies of Electrochemical Incorporation of Hydrogen Isotopes into Palladium", J. of Fusion Energy, vol. 9, No. 4, (Dec. 1990), pp. 517-524	
		Broad, "Cold Fusion Claim is Faulted on Ethics as Well As Science" New York Times, (March 17, 1991) pp. 1 and 30	
		Tambes, "Cold Fusion Conundrum At Texas A&M", Science, Vol. 248, (June 15, 1990), pp. 1299-1304	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007
-----------------------	-------------------	--------------------	------------

Substitute	e for fo	orm 1449B/PT	0			Comp	lete if Known
	5 101 10		-			Application Number	09/110,694
INI	FOF	RMATIC	ON DI	SCL	.OSURE	Filing Date	July 7, 1998
ST	AT	EMEN1	BY	\PP	LICANT	First Named Inventor	Mills
						Group Art Unit	Unknown 1745
	(us	e as many	sheets a	s nec	essary)	Examiner Name	Unknown
Sheet	*	88	of	44	98	Attorney Docket Number	62-226-8AC5

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS									
Examiner Initials*	Cite No. 1										
		Albagli, et. al., "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd									
		Alber, et. al. "Search for Neutrons from Cold Nuclear Fusion", Z. Phys. A Atomic Nuclei, Vol. 338, 1989, pp. 319-320.									
		Alessandrello, et. al., "Search for Cold Fusion Induced by Electrolysis in Palladium", Il Nuovo Cimento, Vol. 103A, No. 11, November 1990, pp. 1617-1638.									
		Associated Press, "Panel Opposes Cold Fusion Efforts", The Washington Post, July 13, 1989, p. A14.									
		The Associated Press, "Pennsylvania CompanyCold Fusion Mystery"; 1991, Lexis Nexis Reprint									
		Associated Press, "Pysicist: Utah Cold-Fusion Gear Quesn't Work", The Washington Post, March 29, 1990, p. A3.									
		Balke, et. al., "Limits on Meutron Emission From "Cold Fusion" in Metal Hydrides", Physical Review C, Vol. 42, No. 1, July 1990, pp. 30-37.									
		Benetskii, et. a., "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium", 4, May 1989, Nuclear Research Institute, AS USSR, pp. 75-78.	l								
		Besenbacher, et. al., "Search for Cold Fusion in Plasma-Charged Pd-D and Ti-D Stems", Journal of Fusion Energy, Vol. 9, No. 3, September 1990, pp. 315-317.									

	Examiner	/Stephen Kalafut/	Date Considered	11/14/2007	
1	Signature		Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Substitute	for form	1449A/PTO	-				Сотр	lete if Known
200201016	101 101111	1449/0110				Application	Number	009/110,694
ING		ΛΑΤΙΩΝ	DIS	SCLO	SURF	Filing Date		July 7, 1998
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT						1 Inventor	Mills
						Group Art U	Init	Unassigned 1745
	(use a	as many she	ets a	s necessa	ary)	Examiner N	lame	Unassigned
Sheet	1 8	6	of	-44 9	8	Attorney Do	ocket Number	62-226-8AC5
			1	1	U.S. PATENT	DOCUME	NTS	
Examiner	Cite	U.S. Pale	nt Doc	ument	Name of Patente		Date of Publication	
Initials*	No. '	Number	,	(ind Code" (if known)	of Cited Document		Cited Document MM-DD-YYYY	·
		4,508,568			Asano		02-04-1986	
		4,664,904			Wotfrum		05-12-1987	
		4,737,249			Shepard Jr.		.04-12-1988	
		4,774,065			Penzom		09-27-1988	
		4,923,770			Grasselli		05-08-1990	
		4,968,395			Pavelle		11-06-1990	
		4,986,887			Gupta		01-22-1991	
		5,215,729			Buxbaum		06-01-1993	
		5,318,675			Patterson		06-07-1994	
		5.272,688			Patterson	 -	12-13-1994	
		<u> </u>		 				
	1							
		ļ					ļ	
		<u> </u>		<u> </u>				
		<u> </u>			10		ļ	
				<u></u>			1	

Examiner	/Stephen Kalafut/	Date	11/14/2007
Signature	/Stephen Kalaluv	Considered	11/14/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

		7					Сотр	lete if Known	NOUINEC
Substitute	for form	1449A/PTO		÷		Application	Number	09/110,694	
						Filing Date		July 7, 1998	
		MATION				First Named	1 Inventor	Mills	
51	AIE	MENT B	Y	MPLI	JANI				
		i				Group Art U	Init 	Unassigned	1745
	(use a	s many she	ets as	s necessa	ary)	Examiner N	lame ,	Unassigned	
Sheet	\ 8	5 -	of	44 9	8	Attorney Do	ocket Number	62-226-8AC5	
					U.S. PATENT	DOCUME	NTS		
Examiner	Cite	U.S. Pate	nt Doc	ıment	Name of Patente		Date of Publication	of	
Initials*	No. '	Number		(ind Code* (if known)	of Cited Do	cument	Cited Document MM-DD-YYYY		
		1,901,589			Hatfield		08-23-1911		
		2,708,656			Fermi		Ó5-17-1955		
		3,297,484 3,300,345			Niedrach Lyons		01-10-1967		
							01-24-1967		
		3,359,422			Pollock		12-19-1967		
		3,377,265			Caeser	04-09-1968			
		3,448,035			Serfass		06-03-1969	· · · · · ·	
		3,669,745			Beccu		09-13-1972		
		3,701,632			Lovelock	_ <u>×</u>	10-31-1972		
		3,755,128			Herwig		08-28-1973		
		3,816,192			Brower		06-11-1974	<u> </u>	
		3,835,019			Lovelock		09-10-1974		
		3,917,520			. Katz		11-04-1975		
		4,265,720			Winstel		05-05-1981		
<u> </u>	<u> </u>	4,274,938	_		Schulten		06-23-1981		
	1	4,487,670		ļ	Bellanger		12-11-1984		
		512,966		<u> </u>	Nelson		04-23-1985		

		·	
Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

						· 10/00/00 (Modified		
Substitute for form 1449B/PTO					Complete if Known			
					Application Number	09/110,694		
FOI	RMATIC	ON D	ISC	LOSURE	Filing Date	07/07/1998		
STATEMENT BY APPLICANT					First Named Inventor	Mills		
					Group Art Unit	1745		
(us	e as many	sheets	as ne	cessary)	Examiner Name	Kalafut		
18	84	of	1	98	Attorney Docket Number			
	FOI 「AT	FORMATION TATEMEN	FORMATION D TATEMENT BY (use as many sheets	FORMATION DISC FATEMENT BY AP (use as many sheets as ne	FORMATION DISCLOSURE [ATEMENT BY APPLICANT] (use as many sheets as necessary)	FORMATION DISCLOSURE Filing Date First Named Inventor Group Art Unit (use as many sheets as necessary) Examiner Name		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examine r Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
*	101	R. L. Mills, Y. Lu, Nansteel, J. He, A. Voigt, B. Dhandapani, "Energetic Catalyst Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227 th American Chemical Society National Meeting, March 28-April 1, 2004, Anahelm, CA. Attachment 101	
	102	R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty- Electron Atoms, Phys. Essays, submitted. (Web Publication Date: April 22, 2004.)	
	103	R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K ₂ CO ₃ Electrolysis Gases," Journal of Electroanalytical Chemistry, submitted. (Web Publication Date: April 25, 2004.)	
	104	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22–26, 2004, Philadelphia, PA.	
	105	J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Rroduction of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," IEEE Transactions on Plasma Science, submitted.	
·	106	R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Nelium Which Pre Conjugate Parameters from a Unique Solution for the First Time," submitted. Publication Date: July 30, 2004.)	
	107	R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction, submitted. (Web Publication Date: August 6, 2004.)	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

Cubetibule	e for form 1449B/PTC	`		Сотр	lete if Known	
Substitute	101101111111111111111111111111111111111	•		Application Number	09/110,694	
IN	FORMATIO	N DI	SCLOSURE	Filing Date	07/07/1998	
ST	ATEMENT	BY	APPLICANT	First Named Inventor	Mills	
				Group Art Unit	1745	
	(use as many s	sheets a	s necessary)	Examiner Name	Kalafut	
Sheet	₹ 83	of	y 98 .	Attorney Docket Number		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examine r Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	58	R. L. Mills, "Classical Quantum Mechanics," Physics Essays, submitted. (Web Publication Date: May 23, 2002.)	
	60	R. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Pilms from Society," Journal of Material Science, Vol. 39, (2004), pp. 3309–3318. (Web Public Date: May 3, 2002.)	
	81	R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts." European Physical Journal: Applied Physics, submitted, (Web Publication	
	88	R. Mills, J. Sankar, A. Voigt, J. He, P. Pay, B. Dhandapani, "Role of Atomic Hydrogen Density and Energy in Low Pewer CVD Synthesis of Diamond Films," Thin Solid Films, in preparation.	
	94	R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essay 94, submitted. (Web Publication Date: Aug. 6, 2003.)	

Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007	
-----------------------	-------------------	--------------------	------------	--

Substitute	e for form 1449B/PTO		Сотр	lete if Known
			Application Number	09/110,694
i ini	FORMATION	DISCLOSURE	Filing Date	07/07/1998
		BY APPLICANT	First Named Inventor	Mills
			Group Art Unit	1745
	(use as many she	eets as necessary)	Examiner Name	Kalafut
Sheet	× 82	of \ \ 98	Attorney Docket Number	

		OTHER PRIOR ART - NON PAT	ENT LITERA	TURE DOCUMENTS				
Examiner Initials*	Cite No.	The state of the desire (in ore tire that the state (which appropriate), and of the						
		Solly, Bernard, "Coherent Telescope and detection for optical communications," Coherent Telescope and detection for optical communications," Coherent Telescope and detection for optical telescope and detection of the telescope and detection of telescope and detection of the telescope and detection of the telescope and detection of the telescope and detection of telescope and detection of telescope and detection of telescope and de	pt. Eng. 42(4) Ethics Rules	4) 3499-3157 (Nov. 2003); U.S.	+			
				·				
		-						
•								
Examiner Signature	1.	/Stephen Kalafut/	Date Considered	11/14/2007	<u> </u>			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.

"APS E-Board Pases Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, http://www.eps.org/aps/apsnews/0802/080212.html (see Attachment Q)

Letter from Elizabeth Barlow to John Allen, March 17, 2604 (see Attachment R)

Letters from John Allen to Office of Counsel, US Department of Commerce with attackments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)

/Stephen Kalafut/

11/14/2007

Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)

Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 http:groups.yahoo.com/group/hydrino/message/6052 (see Attachment H)

Internet Discussion Forum, "HSG: Re: Bool Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)

"Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I)

PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment 3)

Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001(see Attachment K)

PLATT, "Testing the Current," The Washington Post, June 29, 2000, Page X05 (see Attachment M)

USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001(see Attachment N)

Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)

Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001(see Attachment O)

Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)

Letter from Senator Max Cleand to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)

Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)

Letter from Sepators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)

Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)

Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachmen

11/14/2007

Mills, Author's response to 'Hydrino atom: novel chemistry or invalid physics'," International Journal of Hydrogen Energy, Vol 26, 2001, pp. 1233.

Mills, "Author's response to 'Hydrino theory- a proposed amendment," *International Journal of Hydrogen Energy*, Vol 26, 2001, pp. 1229-1231.

Mills."Power Spectrum of the Cosmic Microwave Background" BlackLight Power, Inc. 2001.

Mills, "The Grand Unitied Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.

Letter from Shelby T. Brewer to The Honorable James E. Rogan, December 21, 2001 and PTO response from Jason C. Roe, April 24, 2002 (see Attachment A)

PARK, Ratent Nonsense, Court Denies Blacklight Power Appeal," What's New, September 6, 2002, www.aps.org.WN/WN02/wn090602.html (see Attachment C)

RANDI, "Houding and the Rabbi, The Patent Office Again, A Perpetual Motion/Emotion Car Breaks Down...," Swift, September 20, 2002, www.randi.org/jr/092002.html (see Attachment C)

VOSS, "New Physics Finds a Haven At the Patent Office," Science, Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)

PTO Memorandum For All Employees: Media Contact Policy from Acting Assistant Secretary of Commerce and Acting Commissioner of patents and Trademarks, June 22, 1999

Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger, February 28, 2000 (see Attachment G)
Internet Discussion Forum, "Two Brand New Papers out at PLP's "What's New" page," message No. 7191 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7191, September 27, 2003 (see Attachment H)

Internet Discussion Forum, "Even Skeptics can lose Objectivity," message No. 7410 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7410, October 27, 2003 (see Attachment H)

Internet Discussion Forum, "Two Competing Views of Reality Engage in a Battle for Total Control of Oour Physics Paradigm," Hydrino Study Group, http://www.hydrino.org (see Attachment H)

Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, November 10, 2003 (see Attachment H)

Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)

Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcrip from Tom Stolper, October 28, 2003 (see Attachment H)

Internet Discussion Forum, "HSG: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H)

nternet Discussion Forum, "HSG: Zimmerman's Insincere Questions," Transcript from Peter

- 3. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K2CO3-H-Call," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 327–332. (Internet Publication Date: July 19 2009.)
- 12. Milis et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)
- 11. Mills et al. "Observation of Extreme Ultraviolet Hydrogen Emission from Incandesceptly Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)
- 10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," Int. J of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1185–1203. (Internet Publication Date: Nov. 12, 2001.)
- 9. Mills. "Novel inorganic hydride." International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)
- 8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 339–367. (Internet Publication Date: June 13, 2001.)
- 7. R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.)
- 6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," Fusion Technology, Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.)
- 5. Mills, "The Hydrogen Atom Revisited," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1171–1183. (Internet Publication Date June 27, 2000.)
- 4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)
- 3. Mills et al., "Dihydrino Molecule Identification," Fusion Technology, Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.).

Mills Technologies. "1KW Heat Exchanger System." Thermacore, Inc., Oct 11 1991, pp. 1-6

Mills Technologies. "1KW Heat Exchanger System." Thermacore, Vnc., April 17, 1992, pp. 1-6

Mills, "Classical Quantum Mechanics." Physica Scripta, submitted.

Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com.

Mills, et. al. "Excess Heat roduction...Cold Fusion." Fusion Technology, Vol Q0, Feb 1991, pp. 65-81.

Mills, et. al. Fusion Tegfinol. Vol.20, 65 (1991). Internet Publication Date 4/11/01

Mills,. "Author's response 'A possible trick of Hydride atom'," *International Journal of Hydrogen Energy*, Vol 26, 2001, p. 1225.

Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," *International Conference on Global Warming and Energy Policy*, Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01

Mills, "Hydro catalysis Power Technology," Statement of Dr. Randell L. Mills, May, 1993.

Mills The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9

Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1993 pp. 53-84.

Substitute for form 1449A/PTO						Complete if Known			
50558866 101 101111 1445/41 1 O							Application Number	09/110,694	
INI	FOF	RMAT	ION	DI	SCL	OSURE	Filing Date	July 7, 1998	
	STATEMENT BY APPLICANT						First Named Inventor	Mills	
							Group Art Unit	Unknown 1745	
	(use as many sheets as necessary)					essary)	Examiner Name	Unknown	
Sheet	8	87	-	of	44	98	Attorney Docket Number	62-226-8AC5	

U.S. PATENT DOCUMENTS									
Cite No. 1		Kind Code*	Name of Patentee of Applicant of Cited Document	Oate of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
			Cite No. 1 U.S. Patent Document Kind Code*	Cite U.S. Patent Document Name of Patentee of Applicant of Cited Document Kind Code*	Cite No. 1				

				FOR	EİGN PATENT DOCUM	MENTS		
Examiner Initials*	Cite No.	F	oreign Patent Do	cument	Name of Patentee or	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office ³	Number ⁴	Kind Code ⁶ (if known)	Applicant of Cited Document	Way-OO-1771	Figures Appear	T ⁶
		WO	90/10935	A1	Pons	09-20-1990		
	ļ	wo	90/14669	A2	Cravens	11-29-1990		
	<u> </u>	wo	91/01036	A1_	Dufour	01-24-1991		ļ
	ļ	wo	91/08573	A1	Rush	06-13-1991		
		WO.	93/17437	A1	Rush	09-02-1995		↓
	 	wo	94/10688	A1	Dufour	93-11-1994		—
	 	.wo	94/14163	A1	McKubra	06-23-1994		
	-	WÓ	94/15342	A1	McKuhre	07-07-1994		
	 	wo.	95/20816	A1	Diantelli	08-03-1995		┼──
	 	FP	n 392 325		Semiconductor Energy	10-17-1990		┼
		FΡ	n 395 n66	A2_	Matsushita Flectric Ind	10-31-1990		
	↓	JP.	59-134792		Ind Res Inst Of Japan	11-24-1978		
	-	- P	56-136644		Hitachi .	03-28-1980	ļ	\triangleright
	 	ļ			ļ		ļ	┼
		1			<u> </u>	<u> </u>	<u> </u>	ــــــــــــــــــــــــــــــــــــــ

	r			
Examiner Signature	/Stephen Kalafut	Date Considered	11/14/2007	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

- 42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion, Hydrogen, Nitrogen, and Air," Int. J. Hydrogen Energy, Vol. 28, No. 8, (2003), pp. 825-871 (Internet Publication Date: Nov. 14, 2001.)
- 41. MNs et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Depsity Batteries," Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1–6. (Internet Publication Date: Nov. 9, 2001).
- 40. Mills et al., On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.)
- 39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," J. Phys. Chem. A, submitted. (Internet Publication Date: Nov. 13, 2001.)
- 38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," Electrochimica Acts, Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.)
- 37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," J. of Applied Physics, (2002), Vol. 92, No. 12, pp. 7008–7022. (Internet Publication Date: Oct. 9, 2002.)
- 36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)
- 35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.)
- 34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Internet Publication Date: Oct. 9, 2001.)
- 33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43–54. (Internet Publication Date: Oct. 10, 2001.)
- 32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 927–935. (Internet Publication Date: Sept. 19, 2001.)
- 31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967–978. (Internet Publication Date: Sept. 14, 2001)
- 30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp. 671–685. (Internet Publication Date: Aug. 22, 2001.)
- 29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Moleculation," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 533–564. (Internet Publication Date: July 19, 2001.)
- 28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," Int. J. Hydrogen Energy, (2002), Vol. 27, No. 3, pp. 301–322. (Internet Publication Date: Aug. 1, 2001.)

Substitute	ubstitute for form 1449B/PTO					Complete if Known		
50050000						Application Number	09/110,694	
INI	OR	MATIC	N DI	SCL	OSURE	Filing Date	July 7, 1998	
					LICANT	First Named Inventor	Mills	
						Group Art Unit	Unknown 1745	
	(use	as many s	sheets a	s nece	essary)	Examiner Name	Unknown	
Sheet	40	94	of	14	98	Attorney Docket Number	62-226-8AC5	

	•	OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Oka, et.·al., "D ₂ O-fueled fusion power reactor using electromagnetically induced D-D, D-D, and Deuterium-tritium reactions-preliminary design of a reactor system", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 263-267.	
		Ohmori, et al., "Excess Heat Evolution Tin Cathodes" Fusion Technology Vol. 24, pp. 293-295 (1993).	
		Price, et. al., "Search for Energetic-Charged Particle Emission from Deuterated Ti and Pd Foils", Physical Review Letters, Vol. 63., No. 18, pp. 1926-1929 (10/30/1989).	
		Rees, "Cold FusionWhat Do We Think?", Journal of Fusion Phergy, (1991), Vol. 10, No. 1, pp. 110-116.	
		Rogers, "Isotopic hydrogen fusion in metals", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 2254-259.	
		Rousseau, "Case Studies in Pathological Science", Vol. 80, American Scientist, (1992), pp. 54-63.	
		Rout, et. al., "Phenomenon of Low Energy Encissions from Hydrogen/Deuterium Loaded Palladium", 3 rd Annual Conference on Cold Fusion (Oct. 21-25, 1992).	
		Salamon, et. al., "Limits Electrolytic Cells", Nature, Vol. 344, March 29, 1990, pp. 401-405.	
		Schrieder, et. al., "Search for Cold Nuclear Fusion in Palladium-Deuterium", Z. Phys. B-Condensed Matter, Vol. 76, No. 2, 1989, pp. 141-142.	
		Service, "Cold Fusion:Still Going", Newsweek Focus, July 19, 1993.	
		Shani, et. al., "Exidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium", Solid State Communications, Vol. 72, No. 1, 1989, op. 53-57.	
		Shaubach, et. al., "Anomalous HeatCarbonate", Thermacore, Inc., pp. 1-10	
		Srinivasan, et. al., "Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali Salts with Nickel Cathode", 3 rd Annual Conference on Cold Fusion (Oct. 21-25, 1992).	

1			(٦
	Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007	

Substitute	e for form 1449B	(PTO			Complete if Known		
Ouosmon	2 101 101111 1443B	. 10			Application Number	09/110,694	
INI	FORMAT	ION DI	SCL	OSURE	Filing Date	July 7, 1998	
ST	STATEMENT BY APPLICANT				First Named Inventor	Mills	
					Group Art Unit	Unknown 1745	
	(use as many sheets as necessary)				Examiner Name	Unknown	
Sheet	12 96	of	44	98	Attorney Docket Number	62-226-8AC5	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Henderson et al., "More Searches for Cold Fusion", J. of Fusion Energy, Vol. 9, No. 4, (December, 1990), pp. 475-477	
		Bosch et al., "Electrochemical Cold Fusion Trials At IPP Garching', J. of Fusion Energy, Vol. 9, No. 2, (June 1990), pp. 165-186	
		Rogers et al., Cold Fusion Reaction Products and Their Measurement, J. of Fusion Energy, Vol. 9, No. 4, (December 1990), pp. 483-485	
		Albagli, et al., "Measurement and Analysis of Neutron and Gamma-ray Emission Rates", J. of Fusion Energy, Vol, 9, No. 2, (June 1990), pp. 133-148	
		Myers et al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation", J. of Fusion Energy, Vol. 9, No. 3, (1990) pp. 30-37	
		Wilson et al., "Analysis of experiments on the calorimetry of LiOD-D ₂ O electrochemical cells", J. of Electroanalytical Chemistry, Vol. 332, Nos. 1 and 2, (August 14, 1992) pp. 1-31	
		Silvera et al., "Deuterated palladium at temperatures from 4.3 to 400 K and pressures to 105 kbar: Search for cold fusion" Physical Review B, Vol. 42, No. 14, (November 15, 1990) pp. 9143-9146	
		Ewing et al., "A sensitive Multi-detector Neutron Counter.", IEEE transactions on Nuclear Science, Vol. 37, No. 3, (June 1990) pp. 1165-1170	
		Hadfield, "Lukewarm reception for Japanese cold fusion", New Scientist, (October 31, 19920 Page 10	_
		Taylor et al., "Search for neutrons from deuterated palladium subject to high electrical currents", LA-UR 94-970 (May 4, 1994), pp. 1-11	
		Huizenga, "Cold Fusion", C & EN Vol. 70, (July 20, 1992) Page 3	
		Huizenga, abstract from "New developments in the cold fusion saga" Abstracts of papers of the American Chemical Society, Vol. 207 (March 13, 1994), page 6	

1			,	r
	Examiner Signature	/Stephen Kalafut/	Date Considered	11/14/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute	for for	m 1449B/PTO			Сотр	lete if Known
					Application Number	09/110,694
IN	OR	MATION	l Di	SCLOSURE	Filing Date	July 7, 1998
ST	ATE	EMENT	3Y A	APPLICANT	First Named Inventor	Mills
					Group Art Unit	Unknown 1745
	(use	as many sh	eets a	s necessary)	Examiner Name	Unknown
Sheet	19	97 -	of	44 98	Attorney Docket Number	62-226-8AC5

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
xaminer nitials*	Cite No. '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Dagani, "Cold fusion believer turned skeptic crusades for more rigorous research", C & EN (June 5, 1995) pp 34-35, 38 and 40	
		Morrison, "Review of cold fusion" Sov. Phys. Usp. 34, (December 1991) pp.1085- 1060	
		Morrison, "Comments on claims of excess enthalpy by Fleischmann and Pons using simple cells made to boil", Physics Letters A, Vol. 185, (February 1994) pp. 498-502	
		Merriman et al., "An attempted replication of the CETI cold fusion experiment" pages 1-17 available at http://www.math.ucla.edu/_barry/CF/CETIX.html	
		"Italy-Cold Fusion & Judge's Verdict" (1996), pp. 1-3, available at http;www.padrak.com/ine/CFL\BEL.html	
		Miller, Memo from Bennett Miller to Dr. Robert W. Bess, dated October 9, 1997, pp. 1-10	
		Morrison, "Cold Fusion Update No. 10, dated April 1, 1995, available at http://www.skypoint.com/members/jlogajan/files/morrison.txt, pp.1-8	
		Shelton et al., "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry", Thermochimica Acta 297 (1997), pp. 7-15	
		Shkedi et al., "Calorimetry, excess heat and Faraday efficiency", Fusion Technology, Vol. 28 (November 1995) pp. 1720-1731	
		"EarthTech's Campaign to Replicate one of the BackLight Power Excess Heat Results20 DEC97, available at: http://www.eden.com/_little/blp/preline.html, pp.1-41	
		Jones, "Serious Flaws in Patterson (SOFE '95) Demo on Cold Fusion", available at: http://x7.dejaney/s.com	
		Blue, "Cold Fusion Lies #6", pages 1, 2, available at: http://x7.dejanews.com	
		Blue, "Randell Mills' sells pot shards" pages 1, 2, available at: http://x7.dejanews.com	
		Briars, "Critique of "New Energy, New Physics" story, pp. 1-9, available at: http://x7.dejanews.com	

Examiner Signature /Stephen Kalafut/ Date Consider	11/14/2007
--	------------

Substitute	e for form 1449B/PTC)		Comp	lete if Known
0000000	5 101 101111 1 T T T T T T T T T T T T T			Application Number	09/110,694
INI	FORMATIO	N DI	SCLOSURE	Filing Date	July 7, 1998
ST	ATEMENT	BY A	APPLICANT	First Named Inventor	Mills
i				Group Art Unit	Unknown 1745
	(use as many s	heets a	s necessary)	Examiner Name	Unknown
Sheet	44 98	of	44 98	Attorney Docket Number	62-226-8AC5

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Fusion Digest, "Cold Nuclear Fusion Bibliography", 1993	
		Fusion Digest, "Heat? Neutrons? Charged Particles?", 1993	
		Brodowsky, "Solubility and diffusion of hydrogon and deuterium in palladium and palladium alloys", Technical Bulletin, Engelhard Indust., vol. 7, no. 1-2 (1966), pp. 41-50.	
		Prop. to the United Press, "Theory May Explain 'Cold Fusion' Puzzle"; 1901: Lexis Nexie Reprint	
	ļ		
	<u> </u>		
	ļ		
			<u> </u>

Examiner /Stephen Kalafut/	Date Considered	11/14/2007]
----------------------------	--------------------	------------	---

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.